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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

25X1

COUNTRY China

REPORT

SUBJECT Catalogs of Exports from
Communist China

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REFERENCES

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SOURCE EVALUATIONS ARE DEFINITIVE APPRAISAL OF CONTENT IS TENTATIVE

Exports offered by the China National Machinery Import Corporation, Peiping,
included the following:

Geared head lathe, model C616
Multi-cutter semi-automatic late, models C 720 and C 730
Geared head lathe, model C620
Turret lathe, models C365L and C325
Horizontal milling machine, model X62
Universal milling machine, models X61W and X62W
Horizontal milling machine, model X602
Vertical drilling machine, model Z725
Portable radial drilling machine, model Z32K
Radial drilling machine, model Z33
Radial drilling machine, model Z35
Vertical drilling machine, models Z518 and Z535
Hydraulic surface grinding machine, model M7130
Cylindrical grinding machine, models M115 and M125
Tool grinder, model M625OK
Straightening and polishing machine, model Q-88
Shaper, model B665
Slotting machine, model 7417
Spur gear shaping machine, model J-546
Gear hobbing machine, model J375
Thread rolling machine, semi-automatic
Drill bit forging machine, model 421-90
Double housing planer, models B210 and B215
Ball mill, model 612-550X450
Disc disintegrator, model 622-175
Jaw crusher, models 111-750X450 and 112-100X40; roller crusher, models
422-200X75 and 422-200X125
Five horsepower diesel engine
Hand operated winch, models 221-3, 221-10, 221-5, and 221-1

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| | | | | | | | | | | | | | | | |
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| STATE | X | ARMY | X | NAVY | X | AIR | X | FBI | | AEC | | BFC | X | Treas | X |
| (Note: Washington distribution indicated by "X"; Field distribution by "#".) | | | | | | | | | | | | | | | |

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- 2 -

Single drum hoisting machine, models 222-1500, 222-900, 222-1360, and 222-2000
 Water pump, centrifugal type
 Air compressor, 3-horsepower
 Air compressor, 15-horsepower
 Air compressor, model 1-6/7
 Air compressor, 100-horsepower
 Air compressor, model 1-40/8
 Half-ton steam hammer, model 232- $\frac{1}{2}$
 Steam or pneumatic hammer (1-ton), model 232-1
 Pneumatic-steam hammer (2-ton), model 232-2

3. Exports offered by the China National Transport Machinery Import Corporation included the following:

a. Textile and knitting machinery:

Three-bowl calender
 Twenty-roller raising machine
 Body-size underwear knitting machine
 Interlock knitting machine
 Double-head spring-needle knitting machine
 Automatic hosiery machine, model B-1
 Automatic hosiery machine, model B-2
 Automatic hosiery machine, model B-3
 Automatic hosiery machine, model K-1
 Automatic rib machine, models R-3, R-4, and R-5
 Automatic rib top machine, models R-1 and R-2
 Lockstitch looper
 Hydro extractor, model KM 106
 Bamboo-hexagon traverse winder
 Bottle-bobbin winding machine
 Cone-tube traverse winder
 Yarn mercerizing machine
 Automatic loom, type 1511
 Textile machinery (various types)
 Chinese bobbins, shuttles, reeds, wire healds, and weaving droppers

b. Machinery used in production of vegetable oils:

Peanut sheller
 Aspirator sifter
 Pre-heater
 Cake crusher (No. 14)
 Cake crusher (No. 20)
 Three-high crushing roller mill
 Five-high crushing roller mill
 Medium-size oil expeller
 Eight-ton oil expeller
 Filter press
 Oil purifier
 Triple-plunger pump
 Hand pump

c. Miscellaneous items:

Printing machinery
 Printing press equipment
 Rotary printing machines
 Machines for mixing raw rubber and retreading tires
 Automatic stucco mixer

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- 3 -

Vertical hogshead washer
 Horizontal hogshead washer
 Full-automatic tube filling, closing and sealing machine
 Non-slip continuous wire drawing machine
 Automatic nail making machine
 Blue cut tack making machinery
 Single-trigger and double-trigger spraying gun
 Ammonia compressor, models 2 AV-76, 2 AV-100, 2 AV-76U, 2 AV-230, and
 2 AV-165
 Industrial sewing machine, "Flying Man" models 61300, 45 K 25, 124, 146-1,
 18, and "Typical" models 81-6 and 96-41.
 Hard candy machine, "Tank" brand
 "New China" cigarette machine
 Type BTB CO₂ fire extinguisher
 Storage batteries, "Kin Hong" brand

4. Fifteen kinds of woodworking machines were described in Chinese in illustrated leaflets giving the model numbers in Russian. A universal circular saw, not included in the foregoing, was described in English on a typewritten sheet attached to a photograph of the saw.

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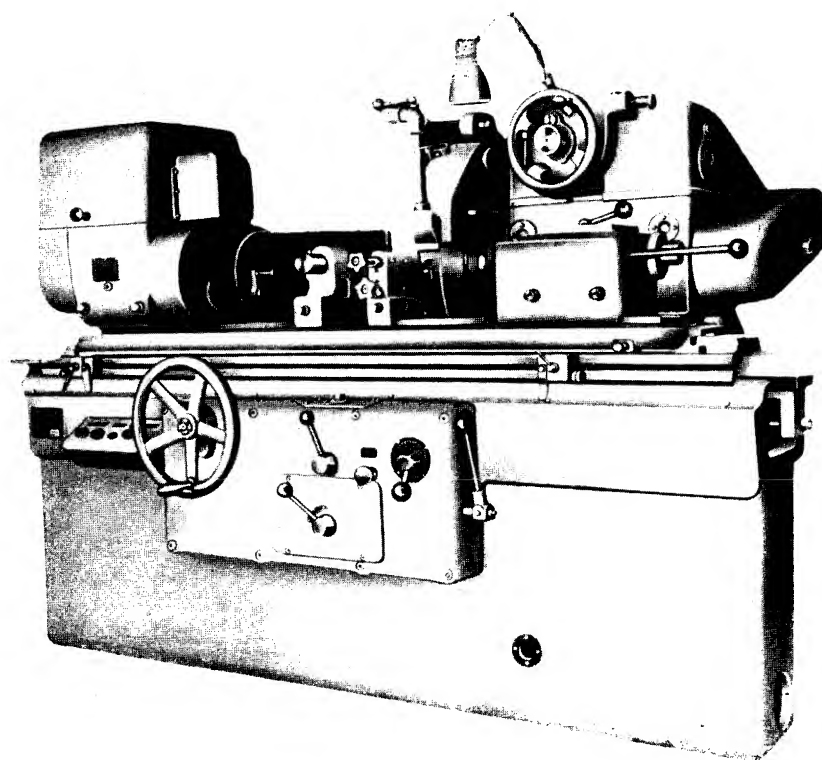
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Cylindrical Grinding Machine

MODEL M115
M125

外园磨床

25X1

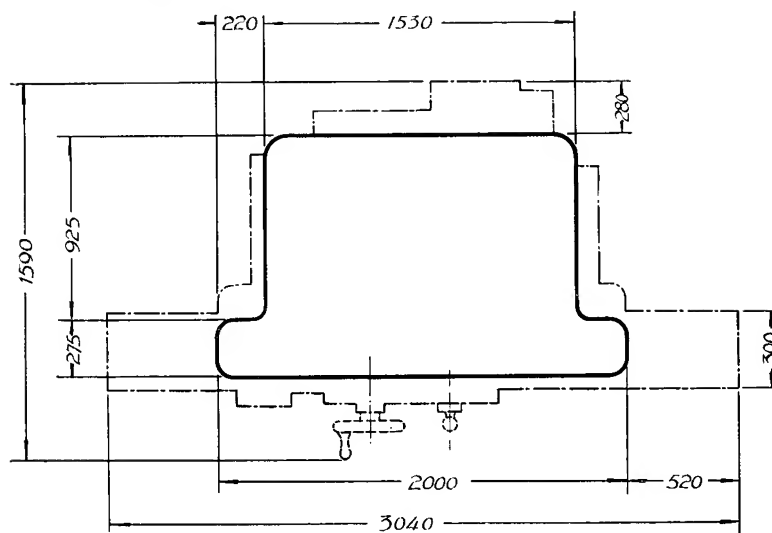
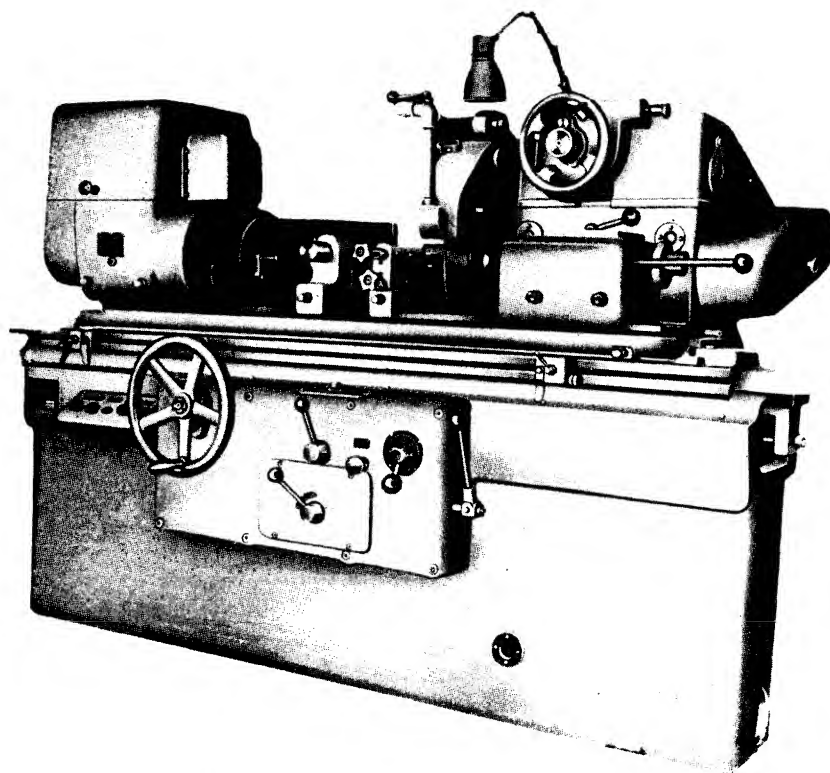


中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
'CABLE ADDRESS' "MACHIMPORT" PEKING

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Model M115



HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M115

This machine is designed for plain cylindrical and taper grinding of workpiece up to 150 mm in diameter and 750 mm in length.

During operation, the workpiece is held between the dead centres and is driven by a driving dog fixed in the headstock face plate.

The upper working table may be swivelled to a desired degree for taper grinding. The machine is equipped with hydraulic drive unit, by means of which the following functions are made possible: -

- (1) The longitudinal travel of table.
- (2) The rapid advance and back movement of grinding wheel and the intermittent feed of grinding wheel during the travelling of table.

The machine is fitted with hand-operated table travelling mechanism and grinding wheel feeding mechanism. The wear of grinding wheel can be compensated after adjustment. The electric system consists of four independent motors.

SPECIFICATION

1. *Main dimensions:*

| | |
|---|---------|
| Height of centres (over table) | 125 mm. |
| Max. distance between centres | 750 mm. |
| Distance between centre line of grinding wheel spindle and centres: | |
| Max. | 425 mm. |
| Min. | 225 mm. |
2. *Size of Working Table:*

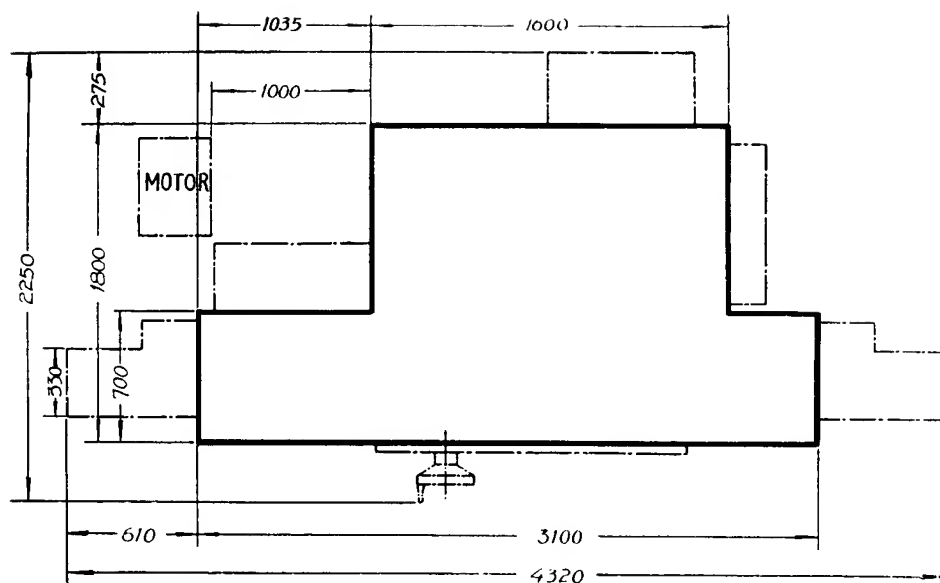
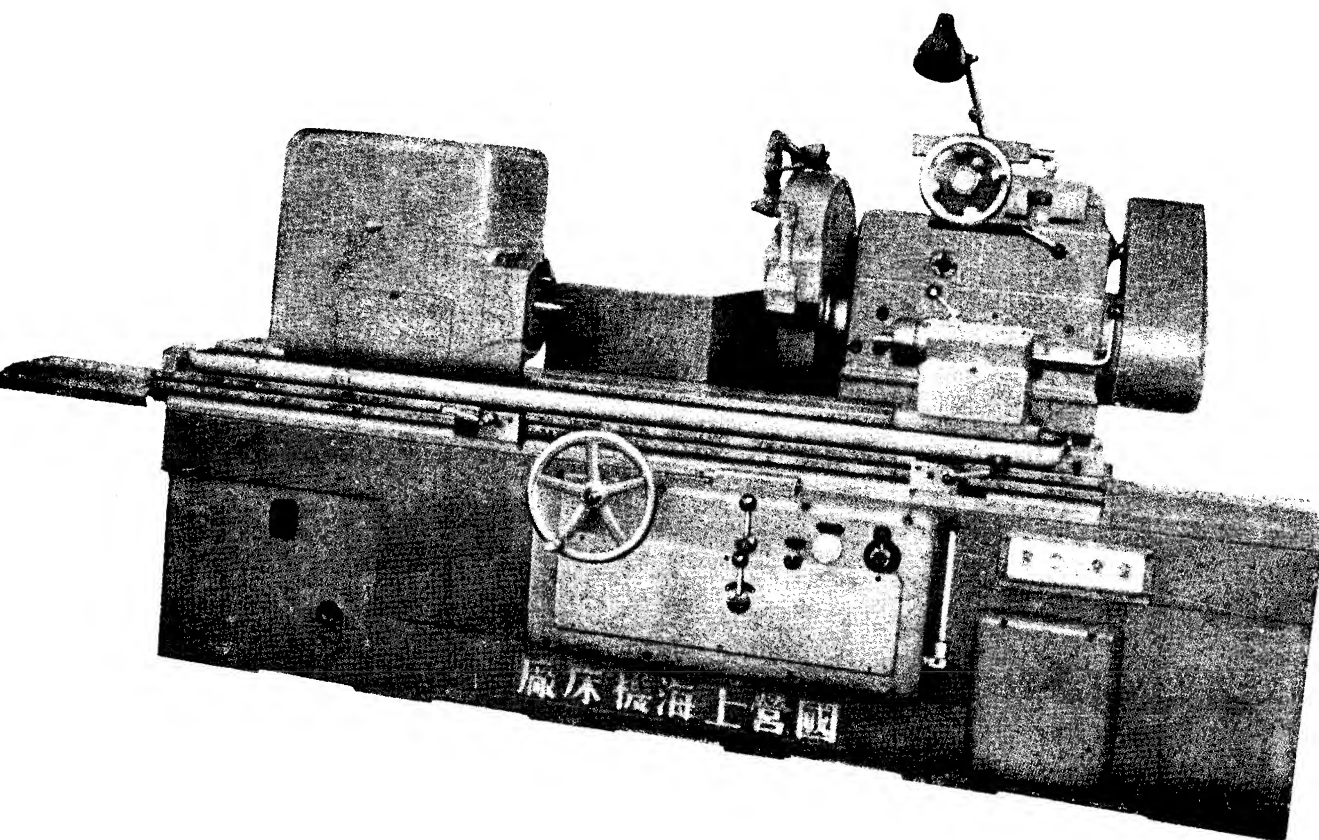
| | |
|--|-------------|
| Diameter of workpiece that can be ground: | |
| Max. (with centre rest) | 60 mm. |
| Max. (without centre rest) | 150 mm. |
| Min. | 0 mm. |
| Max. length of workpiece that can be ground | 750 mm. |
| Working table, headstock and tailstock: | |
| Max. longitudinal travel of table (hydraulic & manual) | 780 mm. |
| Max. swivel of table | 5° |
| Taper in centres of headstock and tailstock | Morse No. 4 |
3. *Wheelhead:*

| | |
|----------------------------------|-----------|
| Max. travel of wheelhead: Manual | 150 mm. |
| Power | 50 mm. |
| Graduation of cross feed dial | 0.005 mm. |
| Dimensions of grinding wheel: | |
| Max. diameter | 600 mm. |
| Min. diameter | 450 mm. |
| Width | 60 mm. |
| Bore | 305 mm. |
4. *Capacity of Machine:*

| | |
|--|-----------------|
| Work spindle speeds | 75,150,300 rpm. |
| Traverse speed of table (hydraulic): | |
| Max. | 10 m/min. |
| Min. | 0.08 m/min. |
| Feed rate for rapid advance and back movement of wheelhead | 2 m/min. |
5. *Motors: 3 phase, A.C.*

| | | |
|---------------------|-------|-----------|
| for Wheelhead: | Power | 5.8 KW. |
| | Speed | 1500 rpm. |
| for Work spindle: | Power | 0.8 KW. |
| | Speed | 1000 rpm. |
| for Hydraulic pump: | Power | 1.7 KW. |
| | Speed | 1400 rpm. |
| for Coolant pump: | Power | 0.05 KW. |
| | Speed | 3000 rpm. |
6. *Overall dimension*
(L x W x H) 2260 x 1590 x 1770 mm.
7. *Net weight:* 3900 kg. approx.

Model M125



HYDRAULIC CYLINDRICAL GRINDING MACHINE

Model M125

This machine is intended for grinding cylindrical and tapered surfaces of workpieces up to 250 mm. in diameter and 1000 mm. in length.

The workpiece is set on two dead centres and rotated by means of a driving dog on the face plate. In grinding tapers, the working table can be swivelled to fit the work.

The machine is equipped with hydraulic driving system, by means of which the following functions are made possible:—

- 1) Reciprocating movement of table.
- 2) Rapid feed and withdrawal of grinding wheel.
- 3) Intermittent feed of grinding wheel.

The machine enables grinding up to the limit stop and provides means for compensating wheel wear.

SPECIFICATION

1. Capacity:—

| | |
|---|------------------------|
| Max. distance between centres | 1000 mm. |
| Length of workpiece that can be ground | 1000 mm. |
| Height of centres from table | 160 mm. |
| Height of centres from floor | 1000 mm. |
| Max. diameter of workpiece that can be ground with grinding wheel of ϕ 750 mm. | 250 mm. |
| Min. diameter of workpiece that can be ground | 10 mm. |
| Overall dimension (L x W x H) | 4320 x 2225 x 1500 mm. |
| Net weight | 6000 kg. |
2. Working table and bed:—

| | |
|--|--------------------|
| Max. longitudinal traverse of table | 1085 mm. |
| Table traverse per revolution of hand-wheel: | |
| Rapid | 24 mm. |
| Slow | 4 mm. |
| Hydraulic table traverse speed | 0.1-10 m/min. |
| Max. table swivel | 7° |
| | 1 : 10 inclination |
3. Carriage for grinding wheel:—

| | | |
|----------------------------|--------------|--|
| Grinding wheel dimensions: | | |
| Minimum diameter | 500 mm. | |
| Maximum | 750 mm. | |
| Face | 75 mm. | |
| Hole | 305 mm. | |
| No. of spindle speeds | 2 | |
| Range of spindle speed | 860-700 rpm. | |
4. Cross feed mechanism of grinding wheel carriage:—

| | |
|--|-----------|
| Traverse of grinding wheel carriage leadscrew | 250 mm. |
| Traverse of grinding wheel carriage hydraulic drive | 50 mm. |
| Traverse of grinding wheel carriage per revolution of hand wheel | 1 mm. |
| Diameter of workpiece ground off per dial graduation | 0.01 mm. |
| Diameter of workpiece ground off per dial graduation with adjustable stop | 0.005 mm. |
| Intermittent feed per tooth of ratchet wheel (traverse of grinding wheel carriage) | 0.01 mm. |
5. Headstock:—

| | |
|------------------------|-------------|
| Taper of centre | Morse No. 5 |
| Diameter of face plate | 200 mm. |
| Speed of face plate | 40-350 rpm. |
6. Tailstock:—

| | |
|------------------------------|-------------|
| Taper of centre | Morse No. 5 |
| Extension of spindle bushing | 35 mm. |
| Diameter of spindle bushing | 80 mm. |
7. Hydraulic transmission system:—

| | |
|--------------------------|-----------------------|
| Hydraulic pressure | 9 kg./cm ² |
| Capacity of oil pump | 50 kg./min. |
| Capacity of coolant pump | 22 kg./min. |
8. Electric driving system:—

| | | |
|------------------------------------|-------|-----------|
| Motor for grinding wheel carriage: | Power | 10 KW. |
| | Speed | 970 rpm. |
| Motor for oil pump: | Power | 28 KW. |
| | Speed | 1420 rpm. |
| Motor for headstock: | Power | 1 KW. |
| | Speed | 940 rpm. |

N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)

Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E1

Cable Address: MACHIMPORT Shanghai

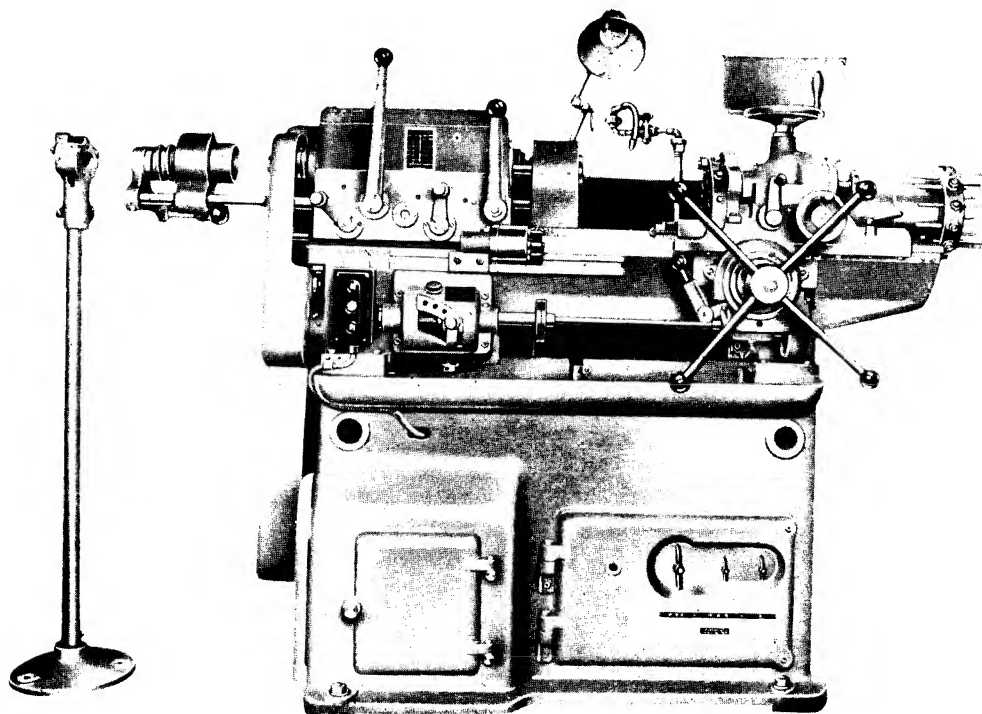
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Cable Address: MACHINERY Canton

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Twivel Luthé

六角車床



25X1

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CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

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TURRET LATHE

Model C365L

This machine is suitable for turning workpieces which require a series of successive operations such as cylindrical turning, thread cutting, etc. The work-piece is held either in a three-jaw chuck or other work-holding fixtures. The necessary tools are held by collets inside the 6 holes of turret or set on a 4-way tool holder of cross slide. The machine is driven by an individual motor.

The spindle speed is controlled by headstock gears, and the feeds of turret and cross slide by feed gear box underneath the apron.

The rotation of spindle is reversible.

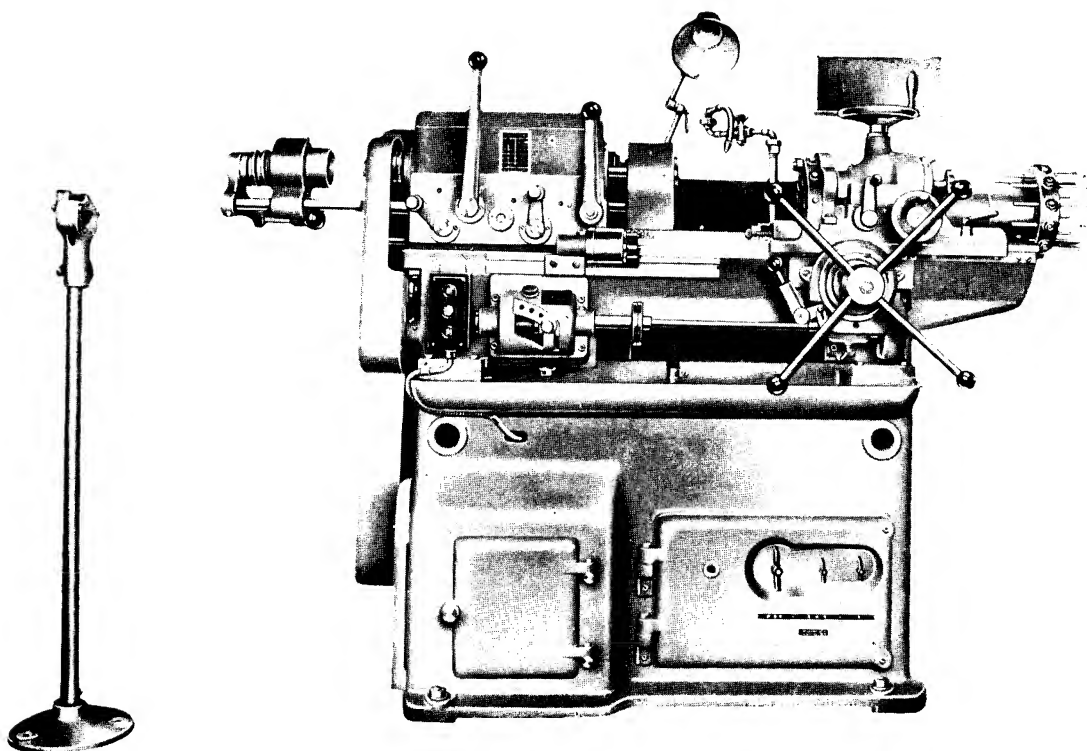
The turret saddle is provided with reversible power feed, hand travel and power rapid traverse with automatic disengagement at the end of the back stroke. It is also provided with automatic limit stops for stopping feeds. The feed mechanism is provided with automatic overload release. Turret saddle, cross slide, and stop-drum can be simultaneously adjusted by hand to the required positions.

The cross slide is capable of longitudinal and cross feeds, and can be automatically disengaged by means of the limit stops. It is provided with stop-drum, on which 6 stops are intended for stopping longitudinal feeds and one for stopping the cross feeds.

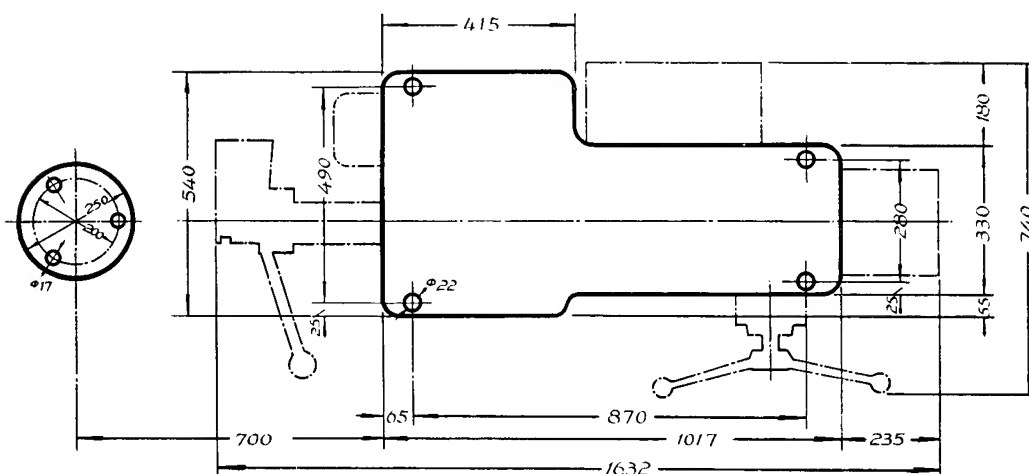
By means of work-holding fixtures, tapers, grooves, and threads can also be machined on this lathe.

S P E C I F I C A T I O N

| | |
|--|------------------------|
| Height of centres | 210 mm. |
| Distance between end of spindle and turret face: | |
| Min. | 260 mm. |
| Max. | 1177 mm. |
| Maximum swing (for chucking work): | |
| Over bed ways | 440 mm. |
| Over cross slide | 350 mm. |
| Over carriage | 420 mm. |
| Maximum longitudinal travel of turret (by manual or power) | 917 mm. |
| Maximum travel of cross slide (by manual or power): | |
| Longitudinal | 1012 mm. |
| Cross | 259 mm. |
| No. of spindle speeds | 12 |
| Range of spindle speed: | |
| Forward | 44-1000 rpm. |
| Reverse | 48-1094 rpm. |
| Nos. of cross and longitudinal feeds | 16 |
| Range of feeds of turret and cross slide per revolution of spindle: | |
| Longitudinal | 0.07-2.29 mm. |
| Cross | 0.03-1.00 mm. |
| Motor (3-phase, A.C.): | |
| Power | 10 KW. |
| Speed | 1500 rpm. |
| Overall dimension (L x W x H) | 3200 x 1780 x 1450 mm. |
| Net weight | 2980 kg. approx. |



Model C325



T U R R E T L A T H E

Model C325

This machine is suitable for turning all kinds of rods fixed on the spring collet or in the chuck. Cutters are secured at the 12 holes on the turret.

This machine is driven by an electric motor.

By means of the templates, profile turning can be carried out when the longitudinal feed of turret and the cross feed are taking place simultaneously.

The spindle speed is controlled by headstock gear box and the longitudinal feed by feed gear box.

The longitudinal feed can be automatically disengaged by means of the adjustable limit stop.

S P E C I F I C A T I O N

| | |
|--|-----------------------|
| Height of centers | 115 mm. |
| Distance between end of spindle and turret face | 90-400 mm. |
| Diameter of hole in spindle | 26 mm. |
| Max. size of bar material: | |
| Round (diameter) | 25 mm. |
| Square (side) | 18 mm. |
| Hexagonal (side) | 21 mm. |
| Max. turning length | 150 mm. |
| Max. diameter of work held in chuck: | |
| Over turret slide | 250 mm. |
| Over bed ways | 300 mm. |
| Max. longitudinal travel of turret | 330 mm. |
| No. of spindle speeds | 6 |
| Range of spindle speed | 140-1380 rpm. |
| No. of longitudinal feeds of turret | 4 |
| Range of feed per revolution of spindle | 0.06-0.25 mm. |
| Motor (3-phase, A.C.): | |
| Power | 2.2 KW. |
| Speed | 1450 rpm. |
| Overall dimension (L x W x H) | 1815 x 740 x 1290 mm. |
| Net weight | 900 kg. approx |

N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*

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SHANGHAI OFFICE: 27 Chung Shan Road E1

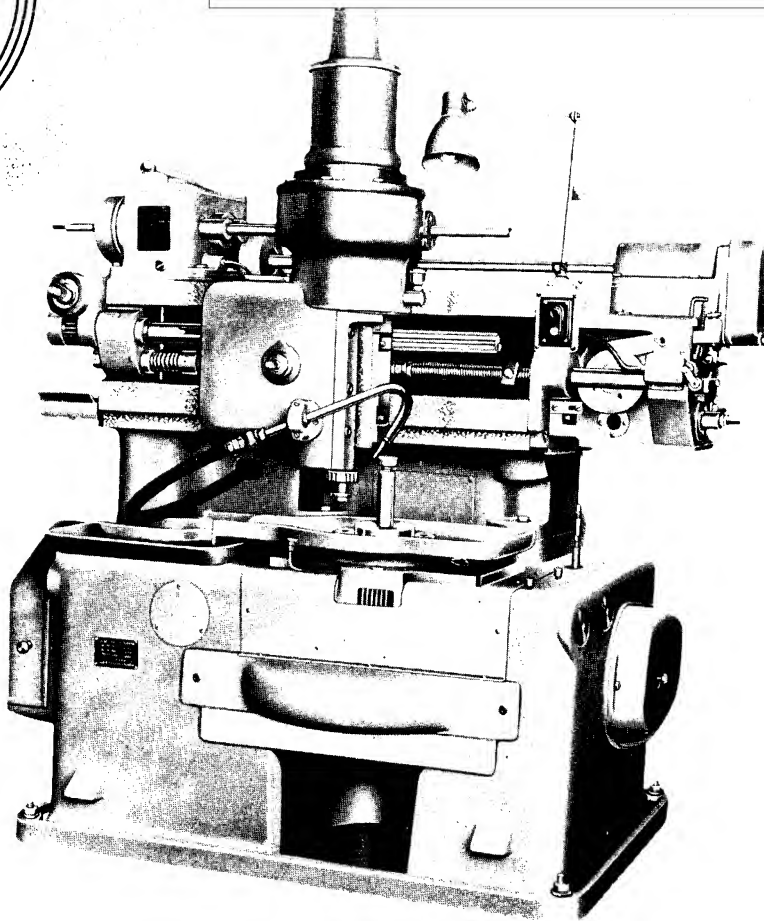
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插齒机 SPUR GEAR *Shaping* MACHINE

MODEL
J-546



25X1



10/5/54

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

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SPUR GEAR SHAPING MACHINE

Model J546

This machine is used for shaping internal and external spur and helical gears.

The machine works on the generating principle of workpiece and cutter rolling together. It can be employed to cut helical gears when a special copying guide is fitted on the spindle of this machine.

This machine can also be used to cut gears such as stepcone gears, gears with shoulder, etc., which provide very little recess for the run out of cutter during cutting.

The number of reciprocating strokes and circular feeds of cutter are regulated by the gear box and the feeding box respectively. The indexing mechanism is controlled by means of change gears. The stroke of cutter can be adjusted by changing the position of set pin on the crank mechanism.

The teeth of the gear may be shaped by cutter in one, two, or three strokes. The number of strokes and the feeding rate of first, second, and third stroke are controlled by means of a special mechanism.

The directions of rotation of the cutter spindle and the working table are independent of each other.

SPECIFICATION

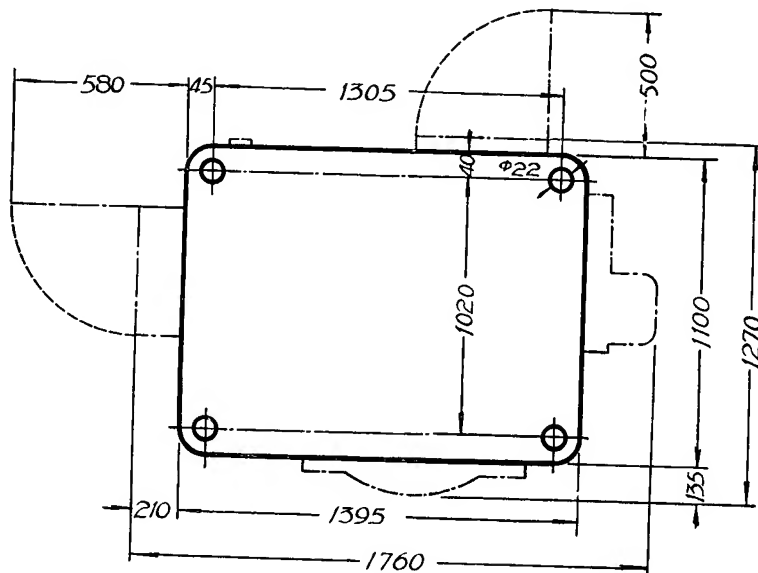
| | |
|---|------------|
| Min. and Max. module | 2-6 |
| Min. and Max. outside diameter of spur gear . . . | 20-462 mm. |
| Max. outside diameter of helical gear (spiral angle 23°) | 462 mm. |
| Max. outside diameter of internal gear | 550 mm. |
| Max. face width of gear: | |
| External | 105 mm. |
| Internal | 75 mm. |
| Max. helix angle for helical gear | 23° |
| Max. pitch diameter of gear: | |
| External | 450 mm. |
| Internal (when cutter of 100 mm. dia. is used) . . | 400 mm. |
| Max. distance between centres of work and cutter . . | 350 mm. |

| | |
|--|---|
| Diameter of working table | 240 mm. |
| Max. stroke of slide | 125 mm. |
| Min. and Max. distance between working table and lower face of cutter head | 35-160 mm. |
| Max. longitudinal traverse of the cutter saddle | 510 mm. |
| Traverse of the cutter saddle per one division of the scale during adjustment of the cutting depth of the cutter | 0.02 mm. |
| Pitch diameter of the gear cutter | 100 mm. |
| No. of strokes of the cutter per minute | 125, 172, 253, 359 |
| Circular feed of cutter per stroke | 0.17; 0.21; 0.24; 0.30; 0.35; 0.44 mm/stroke of cutter. |
| Average radial feed of cutter per stroke | 0.024; 0.048; 0.096 mm/stroke. |

Motors: 3-phase, A.C.

| | | |
|-------------------------------------|-----------------|-----------|
| Main drive motor: | Power | 2.8 KW. |
| | Speed | 1440 rpm. |
| Motor for rapid revolving of table: | Power | 0.5 KW. |
| | Speed | 1410 rpm. |
| Coolant pump: | Power | 0.125 KW. |
| | Speed | 2800 rpm. |

Overall dimension (L x W x H) 1760x1270x2060 mm.
Net weight 3530 kg. approx.



*N.B.—For improvement of the machine, we reserve the
right to alter either the design or the specification.*

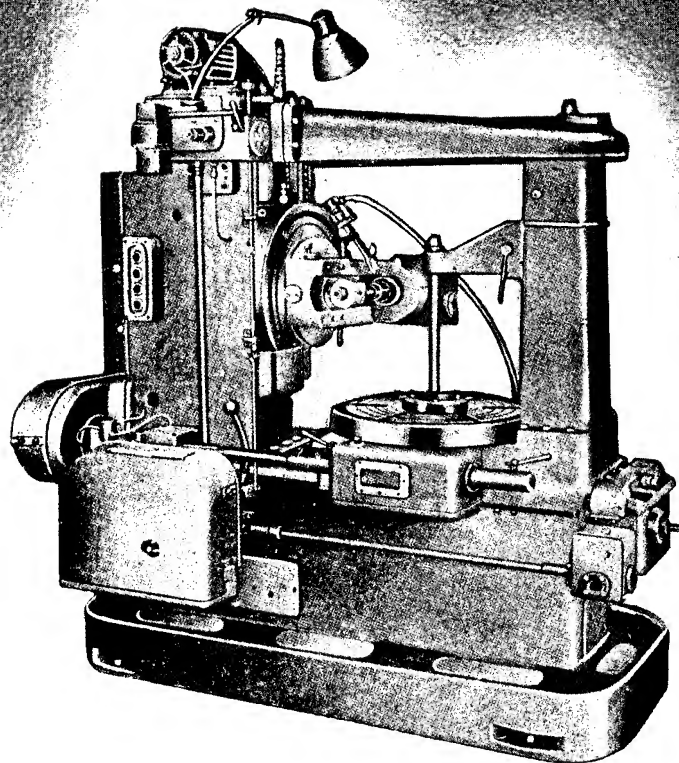
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| | |
|-------------------------|---|
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滾齒機

GEAR HOBBLING MACHINE

MODEL 1375



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADD: "MACHIMPORT" PEKING

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GEAR HOBGING MACHINE

MODEL J375

This machine is suitable for hobbing the spur, helical gears, and worm wheels. It is fitted with hob for cutting operations on the generating principle.

Speeds of cutter spindle, feeds of cutter or working table, continuous indexing of gear train, and the differential mechanism are all regulated through the change gears.

The spindle can revolve either in normal or reversed direction.

The feeds of the tool slide and the working table can be operated by hand.

The machine can be employed for cutting of internal gears by using a special attachment. Two electric motors are provided for this machine.

Max. module:

Normal cutting 6

Low speed cutting 8

Max. outside diameter of spur gear 750 mm.

Max. outside diameter of helical gear:

At angle 30° 500 mm.

At angle 60° 190 mm.

Max. height to be cut 250 mm.

Distance between centre lines of the working table and cutter:

Minimum... .. 30 mm.

Maximum 480 mm.

Distance between surface of the working table to the cutter spindle centre line:

Minimum... .. 165 mm.

Maximum 418 mm.

Diameter of working table 580 mm.

Max. traverse of working table (hand)... .. 450 mm.

Max. size of the hob (Dia. x L)... .. 120 x 130 mm.

Max. vertical movement of tool slide (power or manual)... .. 250 mm.

Distance between center-line of cutter to guide of tool slide 218 mm.

Max. swivel angle of tool slide 360°

Taper in spindle bore Morse No. 4

Cutter spindle speed ... 47, 58, 72, 87, 100, 122, 150 rpm.

Feed per revolution of working table:

Hob ... 0.25-4 mm.

Working table ... 0.105-1.68 mm.

Motors: 3-phase, A.C.

for main drive: Power ... 3.2 KW.

Speed ... 1440 rpm.

for rapid traverse of tool slide: Power ... 1 KW.

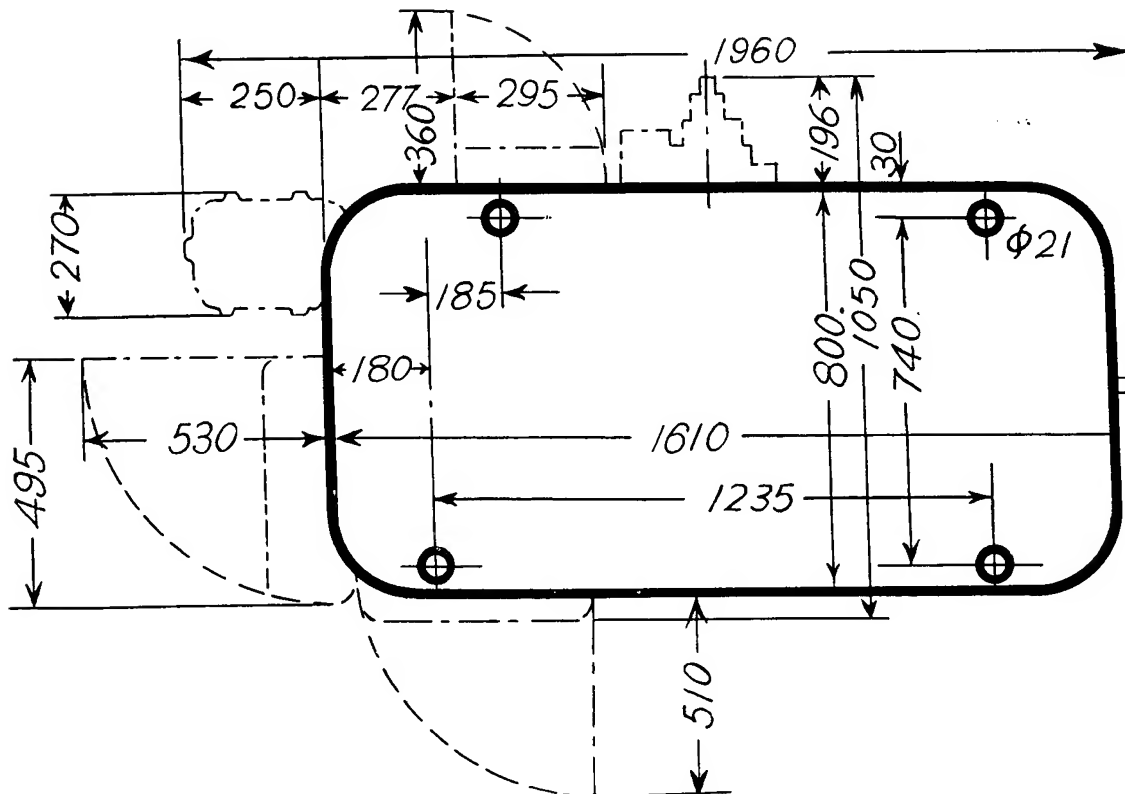
Speed ... 1410 rpm.

for coolant pump: Power ... 0.125 KW.

Speed ... 2800 rpm.

Overall dimension (L x W x H) ... 1885 x 1160 x 1950 mm.

Net weight ... 2500 kg.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1

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Cable Address: MACHINERY Canton

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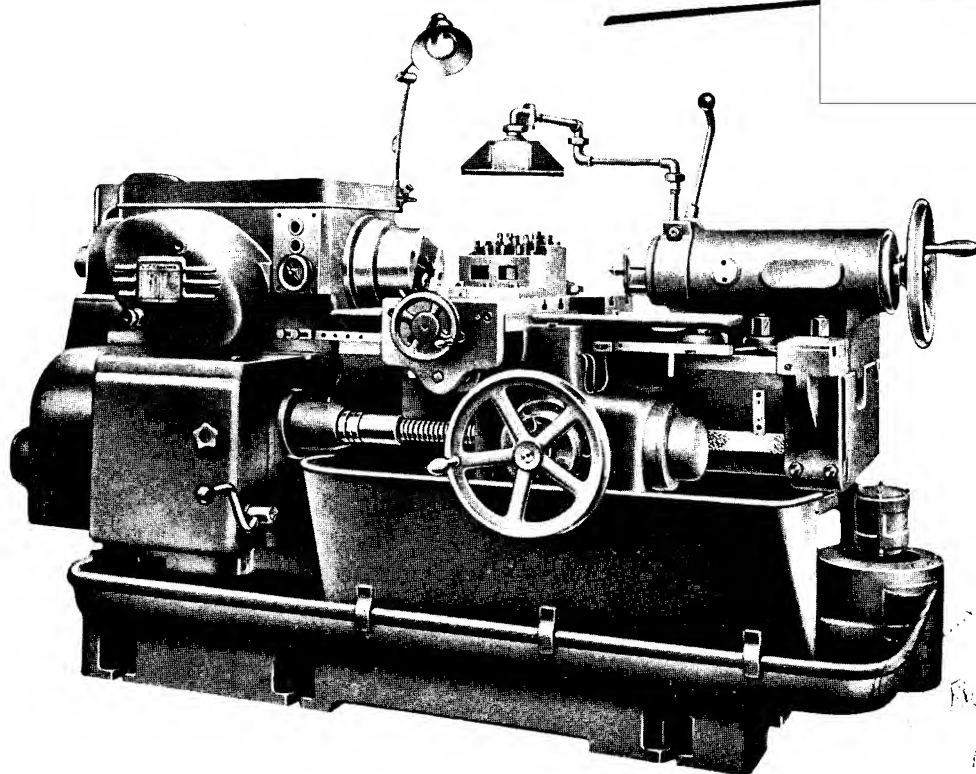
多刀半自動車床

Multi-Cutter

Semi-Automatic Lathe

Model: C 720
C 730

25X1



25X1

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

[illegible]

MULTI-CUTTER SEMI-AUTOMATIC LATHE

Model C720

The machine is suitable for machining external and end surfaces of workpieces such as stepped sleeves, pistons, gear blanks, etc., in lot and mass production.

Profile and taper turning may be effected by utilizing templates.

The machine is equipped with a front tool post (for longitudinal feed) and a rear tool post (for cross feed).

Changes of spindle speeds, longitudinal feeds of front tool post, and cross feeds of rear tool post are obtained through the change gears.

The machine is provided with an interlocking arrangement, which stops the machine automatically at the end of working cycle.

Workpieces are loaded and unloaded by hand.

The machine is operated by a single level control.

SPECIFICATION

| | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Centre height | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 mm. |
| Distance between centres: | | | | | | | | | | | |
| Minimum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0 mm. |
| Maximum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 300 mm. |
| Max. distance, spindle nose (ϕ 120 mm) to tailstock centre | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 325 mm. |
| Max. diameter to be turned: | | | | | | | | | | | |
| Bar material | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 32 mm. |
| Swing over carriage | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 200 mm. |
| Swing over bed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 300 mm. |
| Max. length to be turned (with 2 pcs. of cutters): | | | | | | | | | | | |
| Using compound tool post | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 250 mm. |
| Using single tool post | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 260 mm. |
| Max. longitudinal travel of front tool post: | | | | | | | | | | | |
| Compound cutting: Power (working) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 mm. |
| Manual (adjusting) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 200 mm. |
| Single cutting: Power (working) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 mm. |
| Manual (adjusting) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 250 mm. |
| Max. cross travel of rear tool post: | | | | | | | | | | | |
| Power (working) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 90 mm. |
| Manual (adjusting) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 155 mm. |
| Max. travel of centre sleeve in tailstock | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 120 mm. |
| Spindle speeds | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 105; 131; 154; 196; 236; 296; 354; 442; 532; 680; 794; 1000; rpm. |
| Longitudinal feeds of front tool post per revolution of spindle | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.07; 0.10; 0.16; 0.23; 0.32; 0.48; 0.72; 1.02 mm. |
| No. of cross feeds per longitudinal feed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 12 |
| Range of cross feeds of rear tool post per revolution of spindle | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.019-2.51 mm. |
| Motors: 3-phase, A. C. | | | | | | | | | | | |
| for main drive: | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5.8 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1450 rpm. |
| for coolant pump: | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.25 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2800 rpm. |
| Overall dimension (L \times W \times H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1800 \times 1290 \times 1340 mm. |
| Net weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1800 kg. approx. |

Technical drawing of a mechanical component, likely a bracket or housing, showing dimensions and labels.

Labels:

- CONTROL BOX
- 5 GROOVES 25MM
- CENTRES LINE

Dimensions (mm):

- Overall width: 2200
- Overall height: 1700
- Top left section width: 930
- Top left section height: 500
- Left side vertical dimensions: 502, 442, 240, 50, 675
- Right side vertical dimensions: 1015, 685, 577, 283, 106, 30
- Bottom horizontal dimensions: 246, 100, 460, 840, 133, 1563
- Internal horizontal dimensions: 645, 240, 325, 216, 675

MULTI-CUTTER SEMI-AUTOMATIC LATHE

Model C730

This machine is suitable for turning plain and external cylindrical surfaces of workpieces (such as stepped sleeves, pistons, gear blanks, etc.), clamped either between centres or by chuck in large scale as well as in mass production.

When equipped with template, it can also be used for profile and taper turning.

The machine is provided with a front tool slide (for longitudinal feed) and a rear tool slide (for cross feed).

The longitudinal feed of front tool slide, the cross feed of rear tool slide, and the spindle speed are controlled by means of the change gears.

The machine is equipped with an automatic interlock. It stops automatically after the working cycle is completed.

Workpieces are loaded and unloaded manually.

The machine is operated by means of a single hand lever.

SPECIFICATION

| | |
|---|---|
| Height of centres | 200 mm. |
| Distance between centres: | |
| Max. | 500 mm. |
| Min. | 200 mm. |
| Max. distance between spindle nose (dia. 185 mm.) and centre of tailstock | 580 mm. |
| Max. diameter to be turned: | |
| Dia. of bar material | 48 mm. |
| Over tool post | 300 mm. |
| Over bed | 410 mm. |
| Max. length of workpiece to be turned (with two pieces of tools) | 460 mm. |
| Max. longitudinal travel of front tool slide: | |
| Power (working) | 250 mm. |
| Manual (adjusting) | 325 mm. |
| Max. cross travel of rear tool slide: | |
| Power (working) | 135 mm. |
| Manual (adjusting) | 225 mm. |
| Max. travel of centre sleeve of tailstock | 165 mm. |
| Spindle speed | 40; 52; 65; 84; 107; 129; 155; 187; 240; 310; 388; 500 rpm. |
| Longitudinal feed of front tool slide | 0.12; 0.17; 0.23; 0.34; 0.49; 0.71; 0.97 1.38 mm/rev. |
| Number of cross feeds per longitudinal feed | 12 |
| Range of cross feed by rear tool slide | 0.16-2.37 mm/rev. |
| Motors, A.C., 3 phase | |
| for Main drive: | Power 10 KW. Speed 1455 rpm. |
| for Rapid traverse of tool slide: | Power 1 KW. Speed 1425 rpm. |
| for Coolant pump: | Power 0.15 KW. Speed 2800 rpm. |
| Overall dimension (L × W × H) | 2200 × 1700 × 1420 mm. |
| Net weight | 3000 kg. approx. |

25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

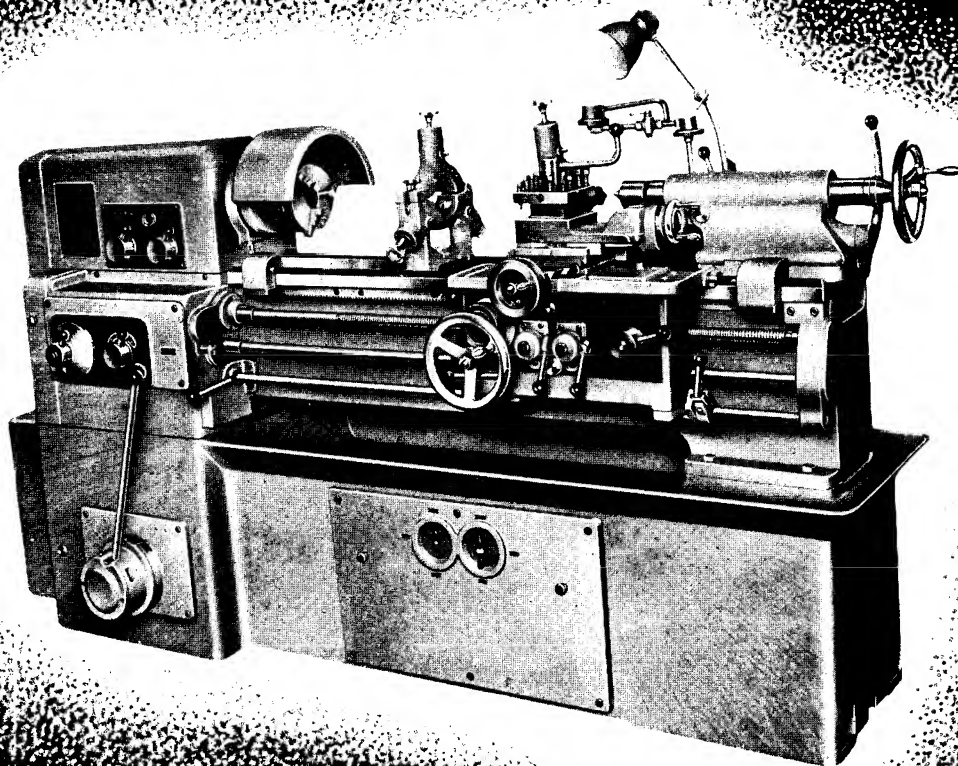
CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

25X1

普通車床

GEARED HEAD LATHE

Model C616



GEARED HEAD LATHE

Model C616

This machine is suitable for general lathe work and thread-cutting of different types of threads in Metric, Whitworth, Module, and Diametral pitches. It is also suitable for turning different kinds of workpieces held between centres and by chuck.

The outstanding features of this machine are its rugged construction, higher spindle speed, and simple operation.

The speed of spindle is controlled by means of the headstock gears housed in the machine base and the backgears of headstock; feeding and thread-cutting are adjusted by means of the feed gear box and change gears.

An interlock is provided to prevent simultaneous engagement of lead screw and feed rod.

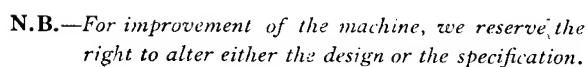
The machine is fitted with protective unit for safety during high speed operation.

Accessories attached with the machine:—face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

SPECIFICATION

| | |
|------------------------------------|-------------|
| Centre height | 160 mm. |
| Distance between centres | 750 mm. |
| Max. diameter to be turned: | |
| Swing over cross slide | 175 mm. |
| Swing over bed ways | 320 mm. |
| Thread cutting: | |
| Metric, pitch | 0.5-9 mm. |
| Whitworth threads | 38-2 t.p.i. |
| Module | 0.5-9 |
| Max. travel of carriage | |
| (by power and manual): | |
| Longitudinal | 850 mm. |
| Cross | 210 mm. |

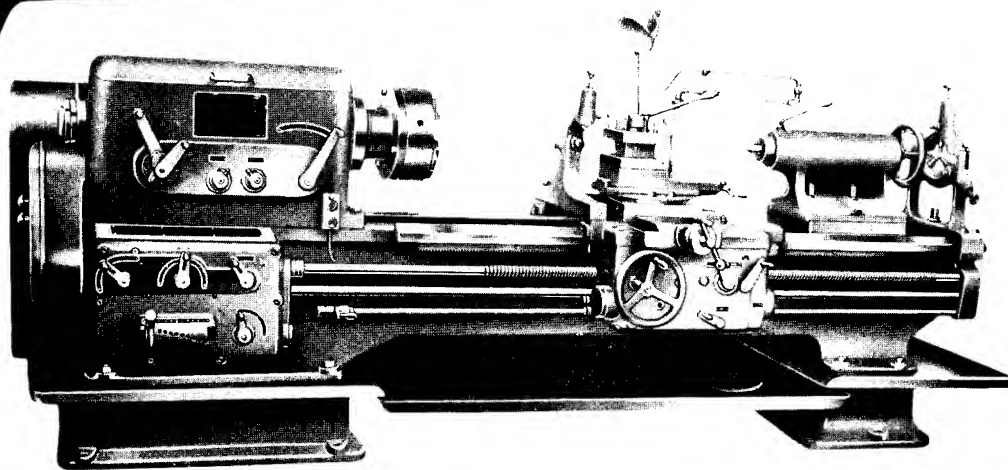
Net weight 1950 kg.



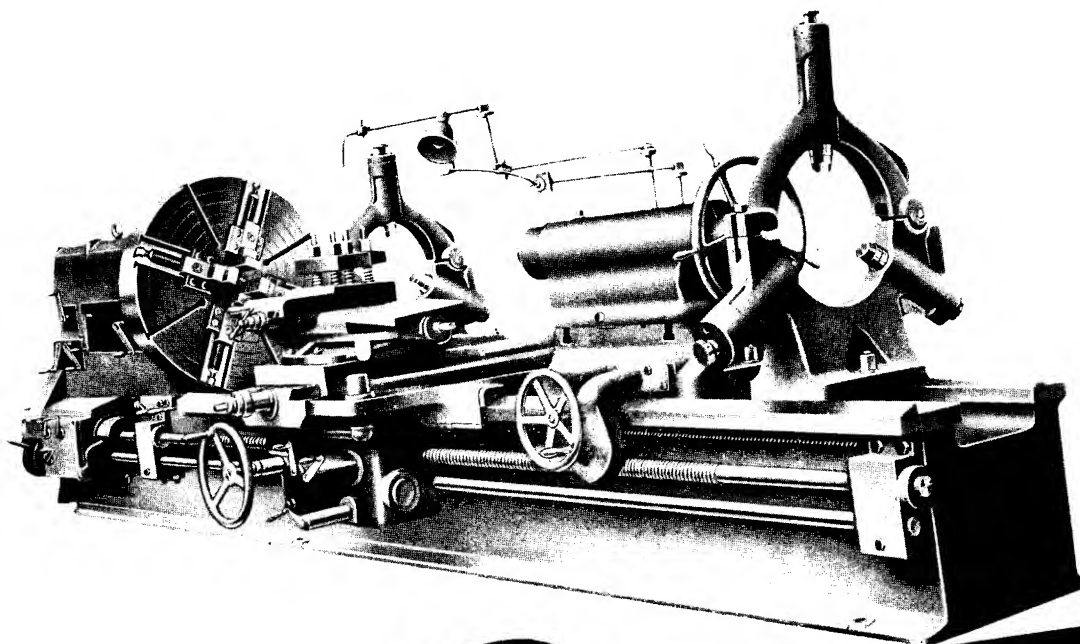
BRANCHES

| | |
|-------------------------|---|
| TIENTSIN OFFICE: | 171 Chien Shien Road (Ho Si District) Cable Address: MACHIMPORT Tientsin |
| SHANGHAI OFFICE: | 27 Chung Shan Road E1 Cable Address: MACHIMPORT Shanghai |
| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

Model C630



GEARED HEAD LATHE



Model C650

Taper of tailstock centre sleeve Morse No. 4

No. of spindle speeds:

Forward 21

Reverse 12

Range of spindle speed:

Forward 11.5-1200 rpm.

Reverse 18-1520 rpm.

No. of feeds, longitudinal and cross 35

Range of feeds per revolution of spindle:

Longitudinal 0.08-1.59 mm.

Cross 0.027-0.52 mm.

Motors (3-phase, A.C.).

For main drive:

Power 7 KW.

Speed 1440 rpm.

For coolant pump:

Power 0.125 KW.

Speed 2850 rpm.

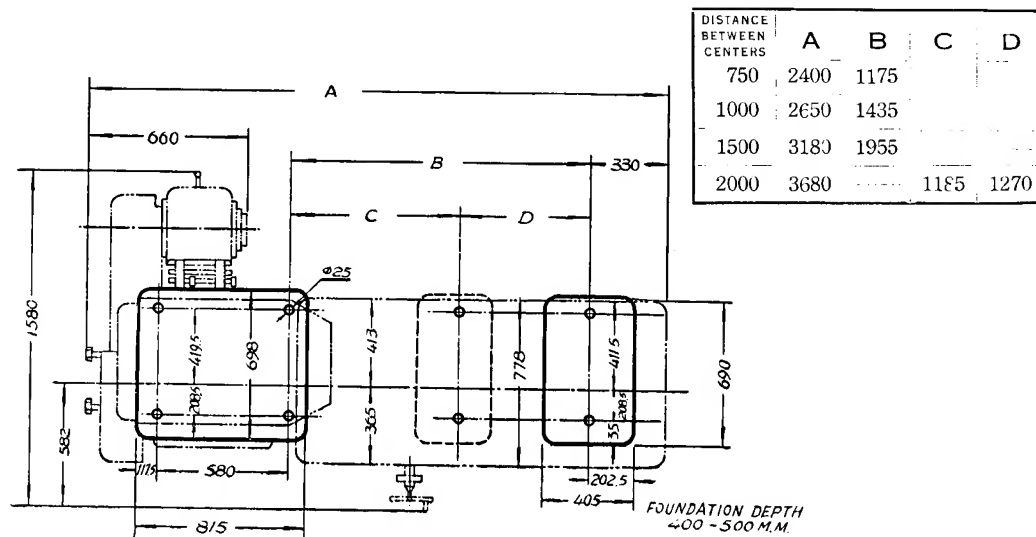
Overall dimensions:

Length 2400; 2650; 3180; 3680 mm.

Width 1580 mm.

Height 1210 mm.

Net weight, approx. 1930; 2010; 2100; 2280 kg.



GEARED HEAD LATHE

MODEL C620-I

This machine is suitable for turning and thread-cutting in Metric, Whitworth, Module, and Diametral pitches of workpieces held between centres or by chuck. Its advantages are: big capacity and high spindle speed. It is, therefore, capable of high speed turning with carbide tipped tools.

Change of spindle speed is obtained through headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and pick-off gears.

An attachment for interlocking lead screw and feed rod is provided in the feeding mechanism. The longitudinal travel of carriage, which is driven by the feed rod, may be stopped automatically by the limit stop.

Accessories attached to the machine: face plate, 3-jaw chuck, centre rest, follow rest, centres, etc.

SPECIFICATION

| | |
|---|---------------------------|
| Height of centres | 200 mm. |
| Distance between centres | 750, 1000, 1500, 2000 mm. |
| Max. diameter to be turned: | |
| Round bar | 37 mm. |
| Swing over carriage | 210 mm. |
| Swing over bed | 400 mm. |
| Max. length to be turned (according to distance between centres) | |
| | 650, 900, 1400, 1900 mm. |
| Threads that can be cut: | |
| Metric pitch | 1-192 mm. |
| Whitworth, thread per inch | 24-2 |
| Module | 0.5-48 |
| Diametral pitch | 96-7 |
| Maximum travel of carriage (by manual and power) | |
| Longitudinal | 650, 900, 1400, 1900 mm. |
| Cross | 280 mm. |
| Distance from tool bottom to centre line of spindle | |
| | 25 mm. |
| Max. swivel of tool post | $\pm 45^\circ$ |
| Dia. of spindle bore | 38 mm. |
| Taper of spindle bore | Morse No. 5 |
| Max. traverse of centre sleeve tailstock | 150 mm. |
| Max. tailstock set over | ± 15 mm. |

Dia. of spindle bore 38 mm.
 Taper of spindle bore Morse No. 5
 Taper of hole of centre sleeve Morse No. 4
 Max. travel of centre sleeve 150 mm.
 Max. cross travel of tailstock ± 15 mm.
 Number of spindle speeds:

Forward 18
 Reverse 9

Range of spindle speed:

Forward 12-600 rpm.
 Reverse 18-760 rpm.

Number of longitudinal and cross feeds of carriage 35

Range of feed of carriage per revolution of spindle:

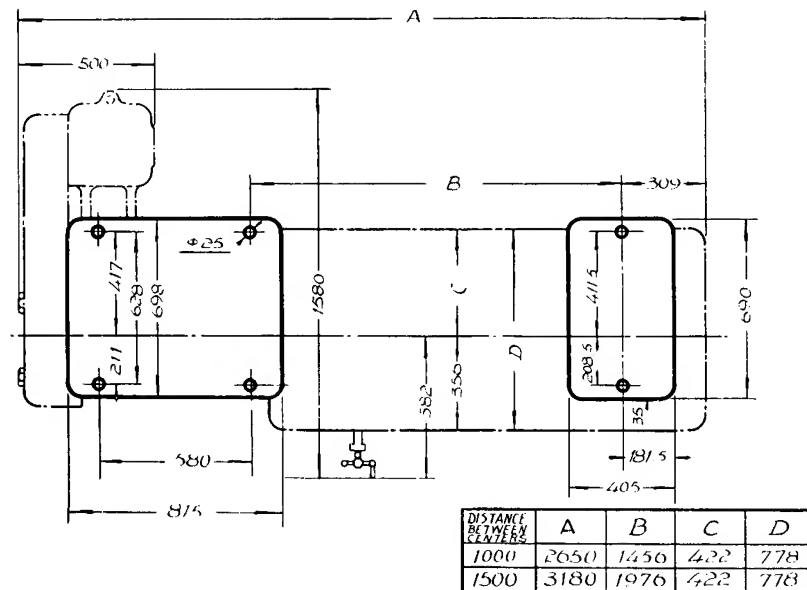
Longitudinal 0.082-1.59 mm.
 Cross 0.027-0.522 mm.

Motor: 3-phase, A.C.

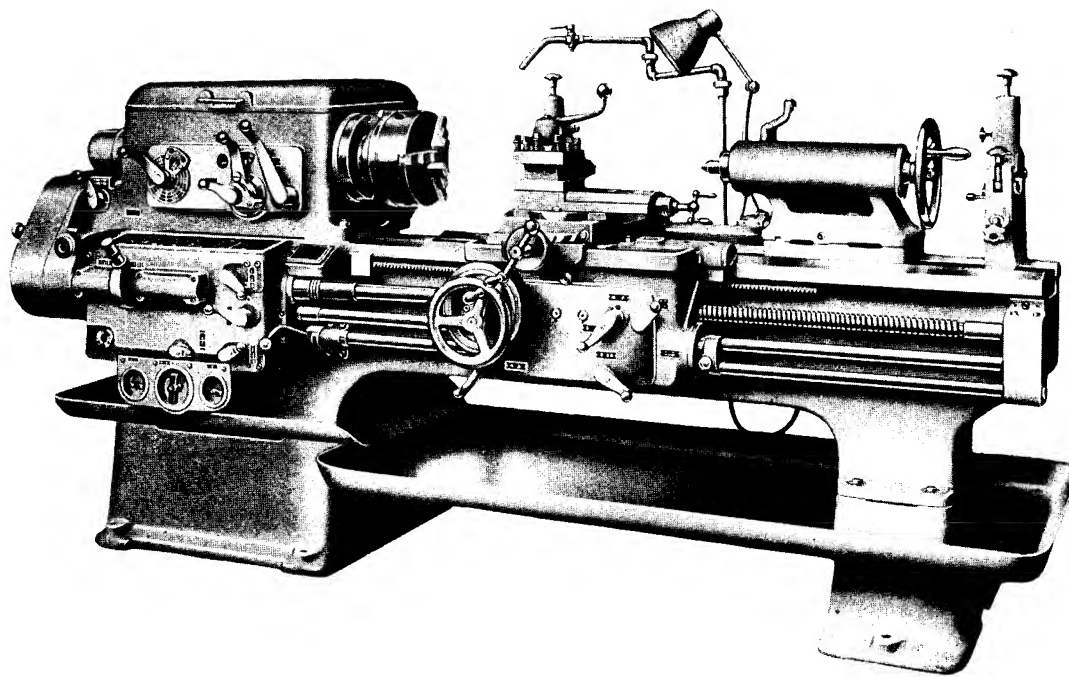
Power 4.5 KW
 Speed 1500 rpm.

Overall dimension (L x W x H) 2650; 3180x1580x1220 mm.

Net weight 2240; 2340 kg. approx.



Geared Head Lathe

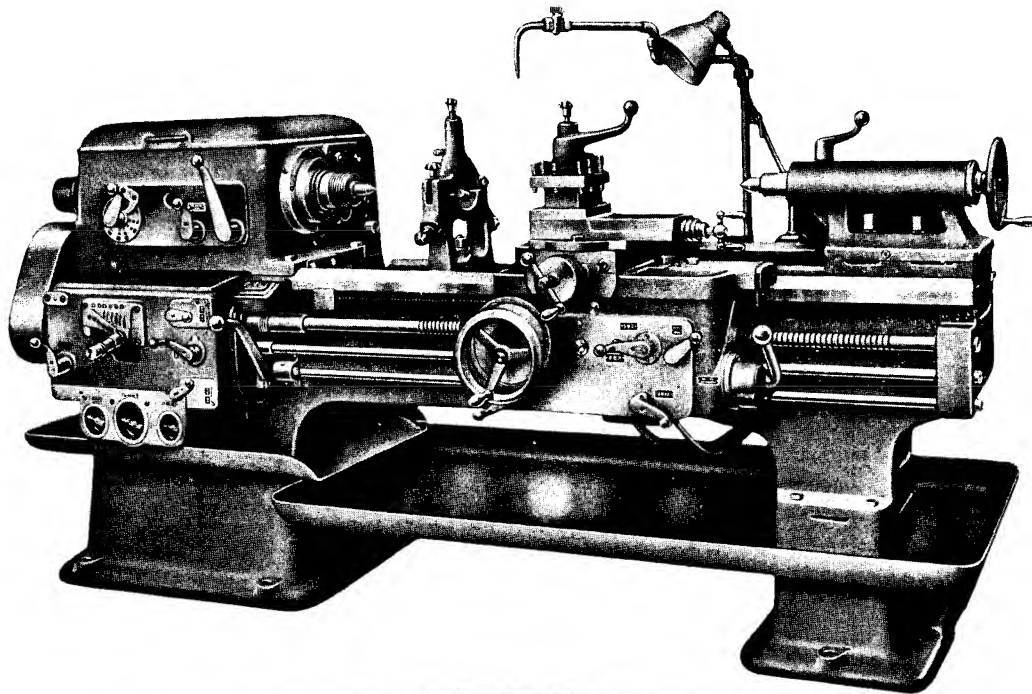


25X1

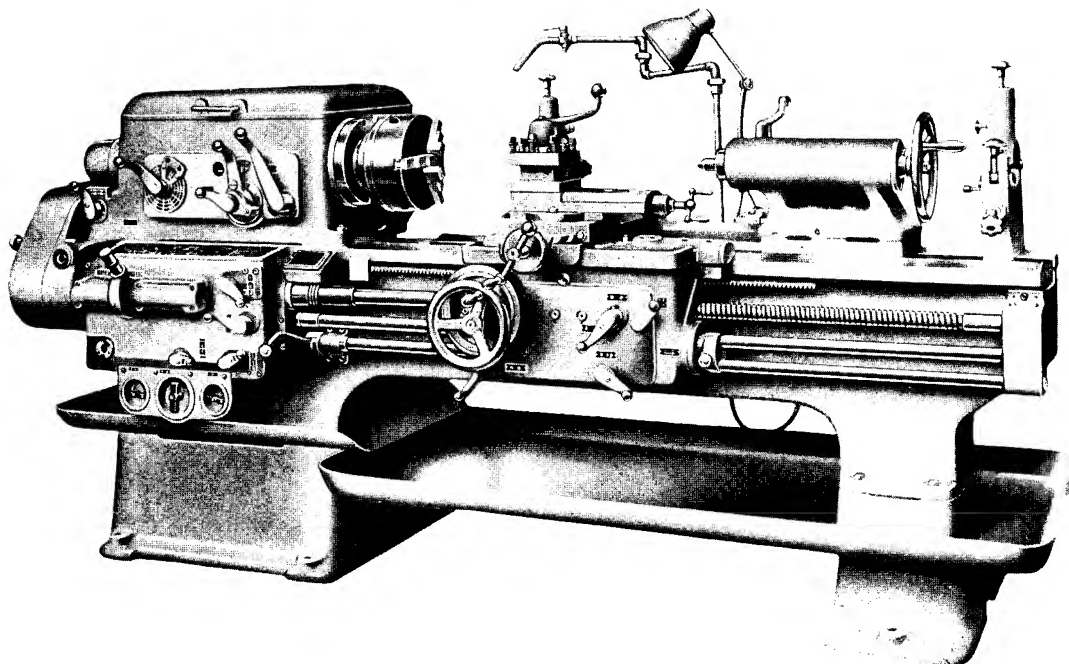
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOW, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

MODEL C620



GEARED HEAD LATHE



MODEL C620-1

GEARED HEAD LATHE

MODEL C620

This machine is suitable for turning and threading workpieces held between centres and by chuck. It is driven by an individual motor.

Change of spindle speed is obtained through headstock gears; feeds and thread cutting are controlled by quick change gear box.

The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload.

The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop.

An interlock is provided to prevent the simultaneous engagements of leadscrew and feed rod.

| | |
|--|----------------|
| Height of centres | 200 mm. |
| Distance between centres | 1000; 1500 mm. |
| Max. diameter to be turned: | |
| Bar material | 37 mm. |
| Swing over carriage | 210 mm. |
| Swing over bed | 410 mm. |
| Max. length to be turned | 900; 1400 mm. |
| Thread cutting: | |
| Metric pitch | 1-192 mm. |
| Whitworth threads per inch | 24-2 |
| Module | 0.25-48 |
| Diametral pitch | 96-1 |
| Max. travel of carriage (by power or manual): | |
| Longitudinal | 900; 1400 mm. |
| Cross | 280 mm. |
| Height from tool bottom to centre line | 23 mm. |
| Max. travel of tool post | 100 mm. |
| Max. swivel of tool post | $\pm 45^\circ$ |

GEARED HEAD LATHE

MODEL C630

This machine is suitable for turning and thread-cutting workpieces held by chuck or between centres. It is driven by an individual motor.

Change of spindle speed is obtained through the use of headstock gears; feeds and thread-cuttings are controlled by means of feed gear box and change box respectively.

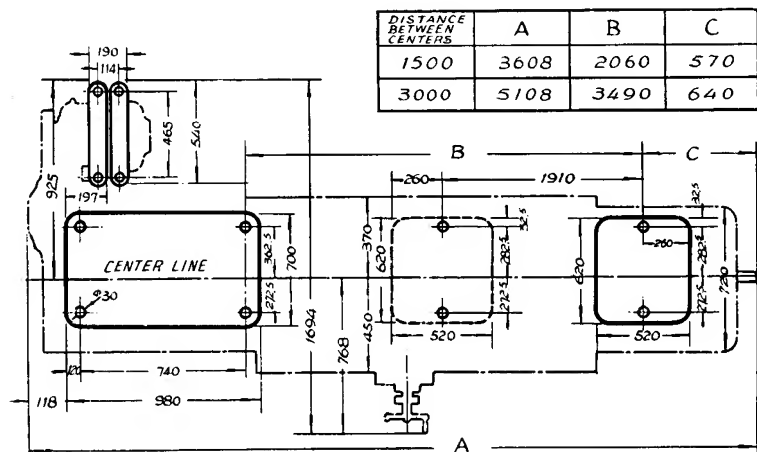
The spindle is capable of forward and reverse rotation and is equipped with mechanical brake. The feed mechanism is provided with a safety device against overload. The longitudinal feed, when working from the feed rod, can be tripped automatically by means of an adjustable stop. The split nut (half nut) is interlocked with the lever for controlling the longitudinal and cross feeds.

Accessories attached to the machine:—face plate, 3-jaw chuck, follow rest, centre rest, centres, etc.

SPECIFICATION

| | |
|--|----------------|
| Height of centres | 300 mm. |
| Distance between centres | 1500, 3000 mm. |
| Max. diameter to be turned: | |
| Round bar | |
| (passing through the spindle bore) | 68 mm. |
| Swing over carriage | 345 mm. |
| Swing over bed | 615 mm. |
| Max. length to be turned | 1310, 2810 mm. |
| Threads that can be cut: | |
| Metric pitch | 1-224 mm. |
| Whitworth threads per inch | 28-2 |
| Module | 0.25-56 |
| Max. traverse of the carriage: | |
| Longitudinal: | |
| Power | 1310, 2810 mm. |
| Manual | 1510, 3010 mm. |
| Cross: (by power or manual) | 390 mm. |

| | |
|--|------------------------|
| Distance from tool bottom to spindle centre line | 32.5 mm. |
| Max. traverse of tool post | 200 mm. |
| Max. swivel of tool post | $\pm 60^\circ$ |
| Dia. of hole in spindle | 70 mm. |
| Taper hole in spindle | Metric 80 |
| Taper hole of sleeve in spindle | Morse No. 5 |
| Taper hole of centre sleeve in tailstock | Morse No. 5 |
| Max. traverse of the centre sleeve | 205 mm. |
| Max. tailstock set over | ± 15 mm. |
| No. of spindle speeds | 18 |
| Range of spindle speed: | |
| Forward | 14-750 rpm. |
| Reverse | 22-945 rpm. |
| No. of longitudinal and cross feeds | 26 |
| Range of feed per revolution of spindle: | |
| Longitudinal | 0.15-2.65 mm. |
| Cross | 0.05-0.9 mm. |
| Motors: 3-phase, A.C. | |
| For main drive: | |
| Power | 10 KW. |
| Speed | 1455 rpm. |
| For coolant pump: | |
| Power | 0.125 KW. |
| Speed | 2700 rpm. |
| Overall dimension (L x W x H) | |
| | 3608 x 1695 x 1275 mm. |
| | 5108 x 1695 x 1275 mm. |
| Net weight approx. | |
| | 3450 kg. |
| | 3920 kg. |



GEARED HEAD LATHE MODEL C650

This machine is suitable for turning large workpieces held between centres or by chuck.

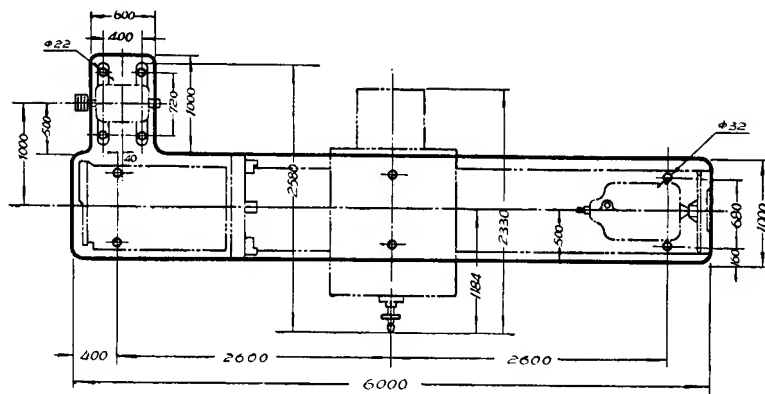
Twelve spindle speeds are obtainable through the gear box. The feed box having twenty-four different feeds is capable of cutting Metric, Whitworth, and Module threads.

Drop-down worm mechanism protects the machine from overload. The tailstock may be adjusted along the bed by means of hand wheel through rack.

Accessories attached to the machine:—

4-jaw chuck, centre rest, follow rest, centres, etc.

| | |
|---|--------------------|
| Height of centres | 500 mm. |
| Distance between centres | 3000 mm. |
| Max. working diameter: | |
| Swing over tool post | 645 mm. |
| Swing over carriage | 730 mm. |
| Swing over bed | 1020 mm. |
| Bar material (passing through spindle bore) | 97 mm. |
| Max. working length | 2250 mm. |
| No. of feeds | 24 |
| Range of feed per revolution of spindle: | |
| Longitudinal | 0.225–3.15 mm. |
| Cross | 0.114–1.6 mm. |
| Threads that can be cut: | |
| Metric pitch | 1–224 mm. |
| Whitworth threads per inch | 28–2 |
| Module | 0.25–56 |
| No. of spindle speeds | 12 |
| Range of spindle speed | 4.25–194 rpm. |
| Motors: 3-phase, A. C. | |
| for main drive: Power | 20 KW. |
| Speed | 1450 rpm. |
| for coolant pump: Power | 0.15 KW. |
| Speed | 2700 rpm. |
| Overall dimension (L x W x H) | 6000x2580x1620 mm. |
| Net weight | 10500 kg. approx. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

| | |
|-------------------------|---|
| TIENTSIN OFFICE: | 171 Chien Shien Road (Ho Si District) Cable Address: MACHIMPORT Tientsin |
| SHANGHAI OFFICE: | 27 Chung Shan Road E1 Cable Address: MACHIMPORT Shanghai |
| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

萬能機床

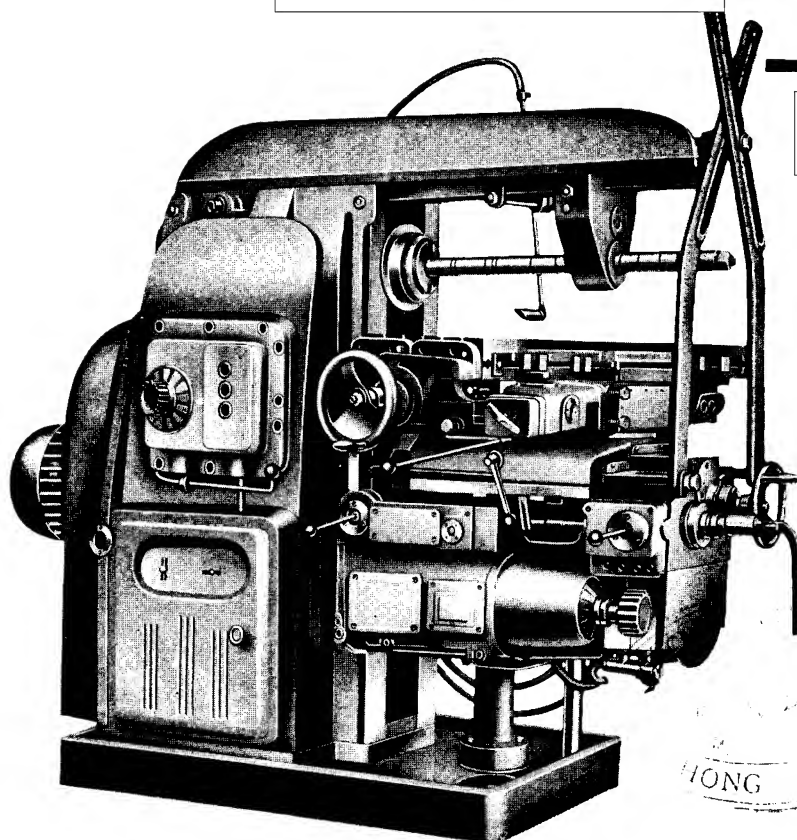
Universal Milling Machine

Model

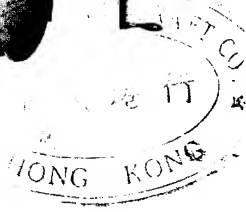
X61W

X62W

25X1



25X1



25X1

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

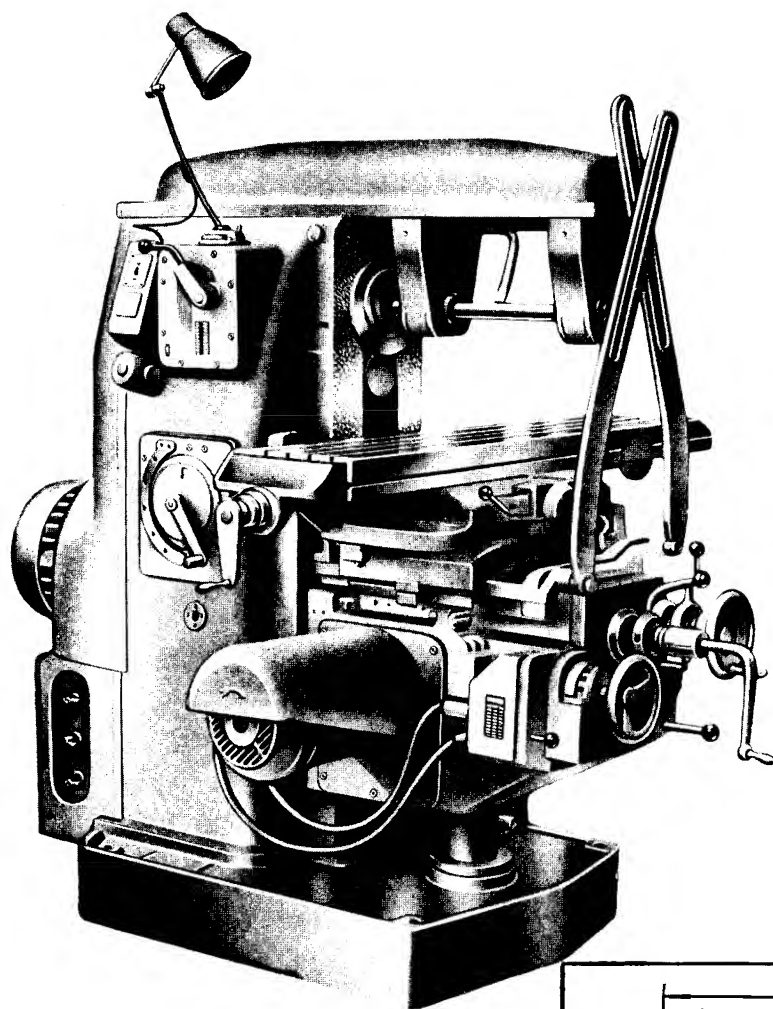
(IMPORT — EXPORT)

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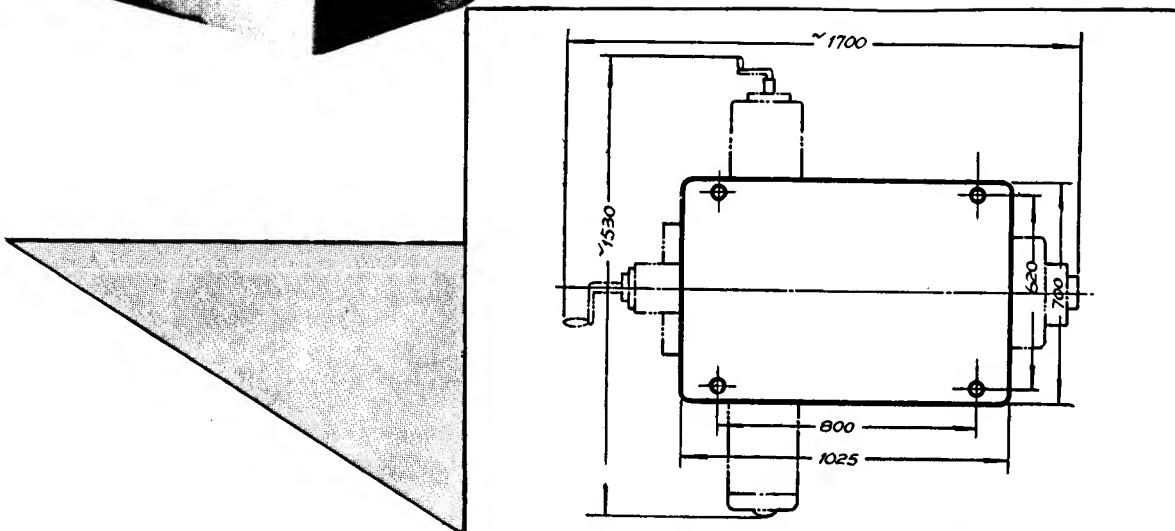
CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

Universal Milling Machine



Model X6IW



UNIVERSAL MILLING MACHINE

Model × 61W

This machine is designed for milling various workpieces, using cylindrical cutters, disc cutters, angle cutters, or forming cutters.

The employment of the universal dividing head increases the variety of work that may be assigned to the machine including spur, helical gears, and helixes.

The spindle and the table are driven by individual motors.

The table can make normal and rapid traverse in all three directions (longitudinal, cross, and vertical).

The working table operates in an automatic cycle, continuous or intermittent, to the longitudinal movement of the table.

The normal movement of table is driven by mechanical system controlled by a hand lever.

The machine, being equipped with ample power and rigid construction, is capable of high speed cutting.

SPECIFICATION

Distance between centre of spindle

and table: —

Minimum 0 mm.

Maximum 350 mm.

Distance between centre of spindle

and overarm 150 mm.

Working surface of table (L × W) 1000 × 250 mm.

Max. table travel:—

Longitudinal 650 mm.

Cross 200 mm.

Vertical 350 mm.

Table swivel (max.) $\pm 45^\circ$

Number of spindle speeds 16

Range of spindle speed 65-1800 rpm.

Number of longitudinal, cross and

vertical feeds: 16 each

Range of feeds:—

Longitudinal 27-815 mm/min.

Cross 20-630 mm/min.

Vertical 10-310 mm/min.

Motors:- 3-phase, A.C.

Power 3.2 KW.

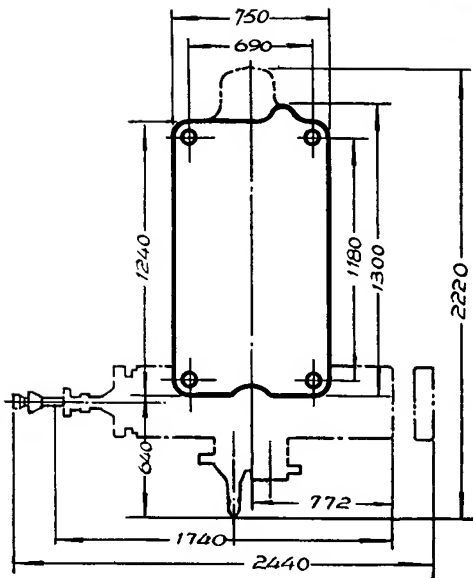
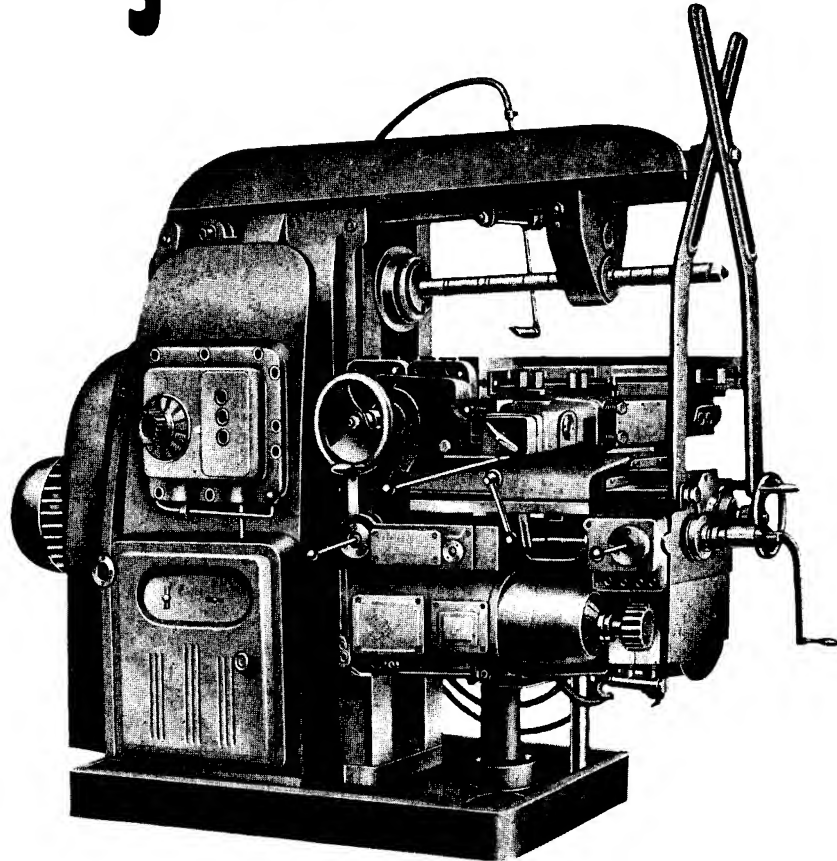
1.0 KW.

0.1 KW.

Overall dimension (L × W × H) 2100 × 1800 × 1900 mm.

Net weight 2100 kg. approx.

UNIVERSAL Milling Machine



MODEL X 62W

UNIVERSAL MILLING MACHINE

Model × 62W

This machine is capable for various kinds of milling operations, using cylindrical cutters, angle cutters, disc cutters, forming cutters, etc.

With the employment of the universal dividing head, the machine may be further used for milling spur and cylindrical gears and helixes.

Because of its ample power, rigid construction, and higher spindle speed, the machine may use various carbide cutting tools

Changes of spindle speed and table feed are obtained through the selection dials of headstock gears and feed gear box.

The machine can also operate in an automatic milling cycle, continuous or intermittent, to the longitudinal movement of the table. This justifies the reasonable utilization of the machine in mass production.

Due to the provision of a climb cutting device, the machine is capable of handling either climb or conventional milling operation.

Accessories attached to the machine:—dividing head, tailstock, arbor, etc.

SPECIFICATION

| | | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|----------------|
| Distance between centre line of spindle and table: | | | | | | | | | | | | | |
| Min. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 mm. |
| Max. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 400 mm. |
| Distance between vertical guide way and centre of table: | | | | | | | | | | | | | |
| Min. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 205 mm. |
| Max. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 455 mm. |
| Distance between centre line of spindle and overarm | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 155 mm. |
| Working surface of table (L × W) | | | | | | | | | | | | 1250 × 320 mm. | |
| Maximum table travel | | | | | | | | | | | | | |
| Longitudinal: | | | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 700 mm. |
| Manual | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 700 mm. |
| Cross: | | | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 230 mm. |
| Manual | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 250 mm. |
| Vertical: | | | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 mm. |
| Manual | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 370 mm. |
| Distance between “T” slots | | | | | | | | | | | | 70 mm. | |
| Max. table swivel | | | | | | | | | | | | ± 45° | |
| No. of spindle speeds | | | | | | | | | | | | 18 | |
| Range of spindle speed | | | | | | | | | | | | 30-1500 rpm. | |
| Table feed: | | | | | | | | | | | | | |
| Number | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 18 |
| Longitudinal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 19-950 mm/min. |
| Cross | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 19-950 mm/min. |
| Ratio, vertical and longitudinal | | | | | | | | | | | | 1/3 | |
| Rapid traverse speeds of table: | | | | | | | | | | | | | |
| Longitudinal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2300 mm/min. |
| Cross | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5300 mm/min. |
| Vertical | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 770 mm/min. |
| Motors: 3-phase, A.C. | | | | | | | | | | | | | |
| Main drive motor: | | | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1445 rpm. |
| Feed motor: | | | | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2.8 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1440 rpm. |
| Overall dimension (L × W × H) | | | | | | | | | | | | 2100 × 1740 × 2000 mm. | |
| Net weight | | | | | | | | | | | | 3100 kg. approx. | |

N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*

25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

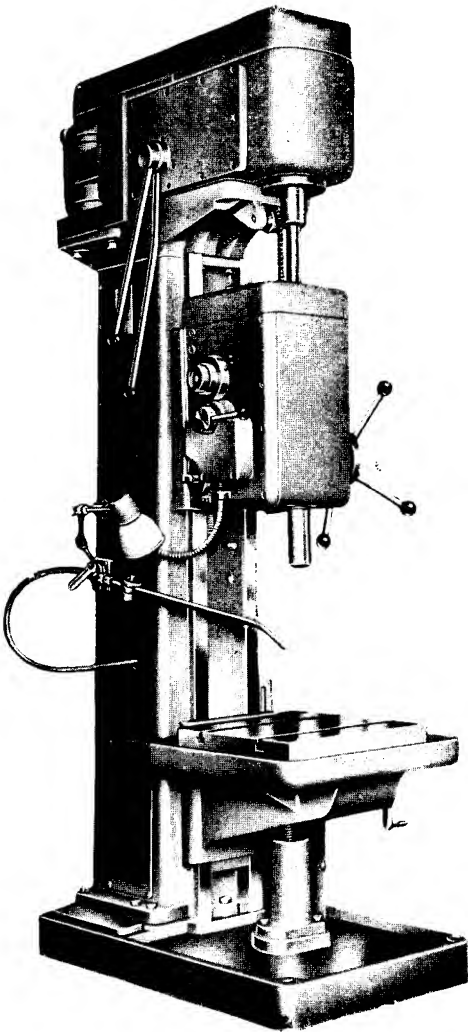
SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

立式鑽床

Vertical Drilling Machine

MODEL Z 518
Z 535



25X1

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

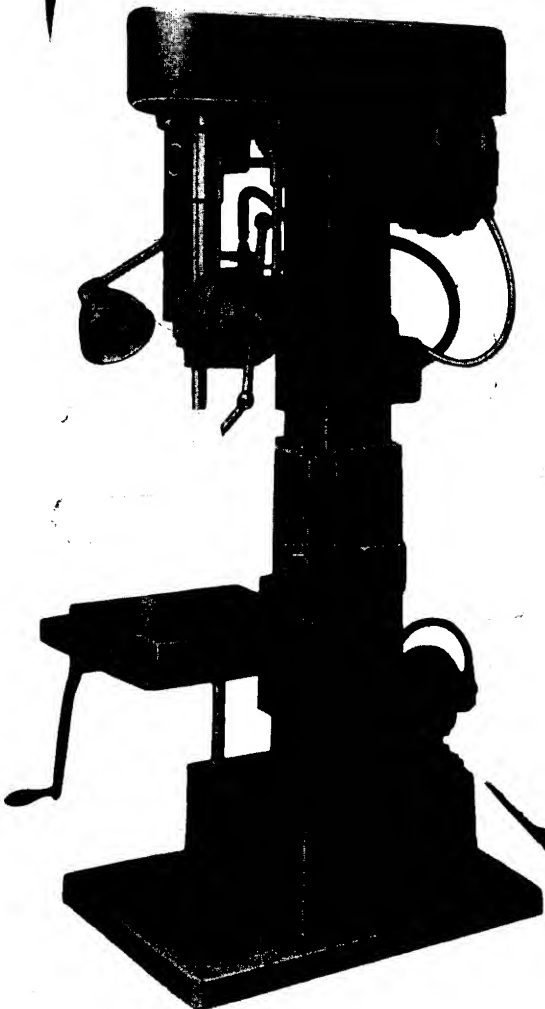
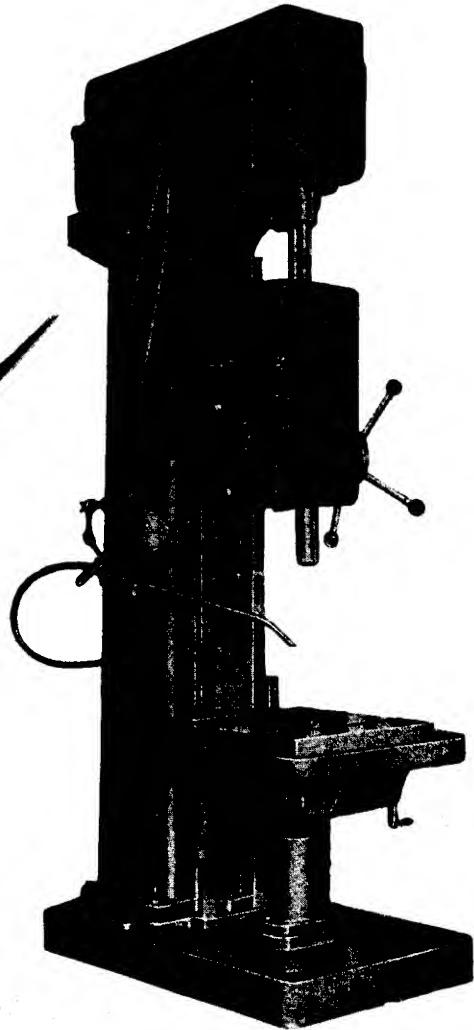
ER-LI-KOU, HSI-CHIAO, PEKING,

ADD: "MACHIMPORT" PEKING

25X1

Vertical Drilling Machine

MODEL 2535



MODEL 2518

立 式 鑽 床
VERTICAL DRILLING MACHINE MODEL Z518

This machine is suitable for drilling various kinds of metals such as steel, cast iron, non-ferrous metals, etc.

SPECIFICATION

Capacity:—

| | | | | |
|------------------------------------|------|------|------|--------|
| Max. diameter of bore in cast iron | .... | .... | .... | 18 mm. |
| Max. diameter of bore in steel | .... | .... | .... | 16 mm. |

Spindle:—

| | | | | | |
|----------------------------------|------|------|------|------|-------------|
| Max. travel of spindle | .... | .... | .... | .... | 150 mm. |
| Taper hole in spindle | .... | .... | .... | .... | Morse No. 2 |
| Spindle length outside of sleeve | .... | .... | .... | .... | 200 mm. |

Working table:—

| | | | | | |
|----------------------------------|------|------|------|------|---------------|
| Working surface (L × W) | | | | | 350 × 350 mm. |
| Vertical travel | .... | .... | .... | .... | 450 mm. |
| Distance, spindle nose to table: | | | | | |
| Minimum | .... | .... | .... | .... | 30 mm. |
| Maximum | .... | .... | .... | .... | 650 mm. |

Machine mechanism:—

| | | | | | | |
|--------------------------------|------|------|------|------|---------------|---|
| No. of spindle speeds | .... | .... | .... | .... | .... | 6 |
| Range of spindle speed | .... | .... | .... | .... | 310-2975 rpm. | |
| Feed per revolution of spindle | .... | .... | .... | .... | 0.2 mm. | |

Motor: 3-phase, A.C.

| | | | | | | |
|---------------------------------|------|------|------|------|----------------------|-----------------|
| Power | .... | .... | .... | .... | .... | 1 KW. |
| Speed | .... | .... | .... | .... | .... | 930 rpm. |
| Overall dimension (L × W × H):— | .... | .... | .... | .... | 900 × 600 × 1720 mm. | |
| Weight | .... | .... | .... | .... | .... | 430 kg. approx. |

VERTICAL DRILLING MACHINE MODEL Z535

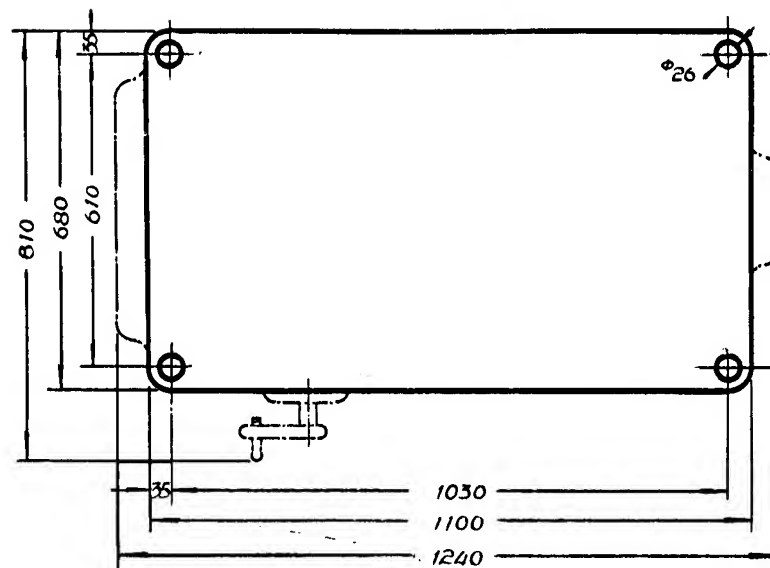
The Z535 Vertical Drilling Machine is designed for drilling, boring and reaming operations on single piece or quantity production work.

SPECIFICATION

| | | | | | | | | |
|---------------------------------------|------|------|------|------|------|------|------|-------------------|
| Max. drill diameter | .... | .... | .... | .... | .... | .... | .... | 35 mm. |
| Max. drill depth | .... | .... | .... | .... | .... | .... | .... | 225 mm. |
| Working surface of table (L x W) | .... | .... | .... | 450 | 500 | mm. | | |
| Vertical travel of table | .... | .... | .... | .... | .... | .... | .... | 380 mm. |
| Distance, centre of spindle to | | | | | | | | |
| column | .... | .... | .... | .... | .... | .... | .... | 300 mm. |
| Max. vertical spindle head adjustment | .... | .... | .... | .... | .... | .... | .... | 200 mm. |
| Max. vertical spindle travel | .... | .... | .... | .... | .... | .... | .... | 225 mm. |
| Number of spindle speeds | .... | .... | .... | .... | .... | .... | .... | 12 |
| Range of spindle speed | .... | .... | .... | .... | .... | .... | .... | 63-1400 rpm. |
| Number of spindle feeds | .... | .... | .... | .... | .... | .... | .... | 12 |
| Range of spindle feed | .... | .... | .... | .... | .... | .... | .... | 0.115-1.6 mm/rev. |
| Drive, 3 phase, A. C. motor: | | | | | | | | |
| Main drive: Power | .... | .... | .... | .... | .... | .... | .... | 4.5 KW. |
| Speed | .... | .... | .... | .... | .... | .... | .... | 1440 rpm. |
| Coolant pump: Power | .... | .... | .... | .... | .... | .... | .... | 0.125 KW. |
| Speed | .... | .... | .... | .... | .... | .... | .... | 2800 rpm. |
| Overall dimension (L x W x H) | .... | 1300 | 835 | 2570 | mm. | | | |
| Net weight | .... | .... | .... | .... | .... | .... | .... | 1700 kg. approx. |

VERTICAL DRILLING MACHINE

MODEL Z 535



N.B.—For improvement of the machine, we reserve the
right to alter either the design or the specification.

BRANCHES

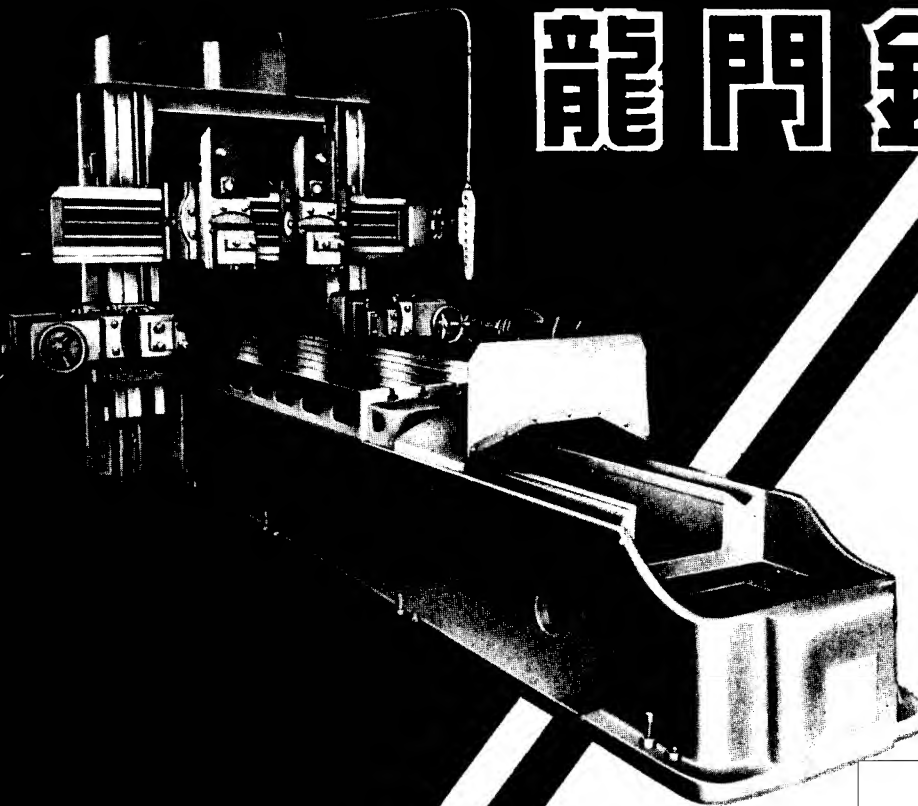
| | |
|-------------------------|--|
| <i>TIENTSIN OFFICE:</i> | 171 Chien Shien Road, (Ho Si District) Cable Address: MACHIMPORT Tientsin |
| <i>SHANGHAI OFFICE:</i> | 27 Chung Shan Road, E 1 Cable Address: MACHIMPORT Shanghai |
| <i>CANTON OFFICE:</i> | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

25X1

DOUBLE HOUSING PLANER

MODEL ^{B 210}
B 215

龍門鉋床



25X1

機械進口公司

MACHINERY IMPORT CORPORATION

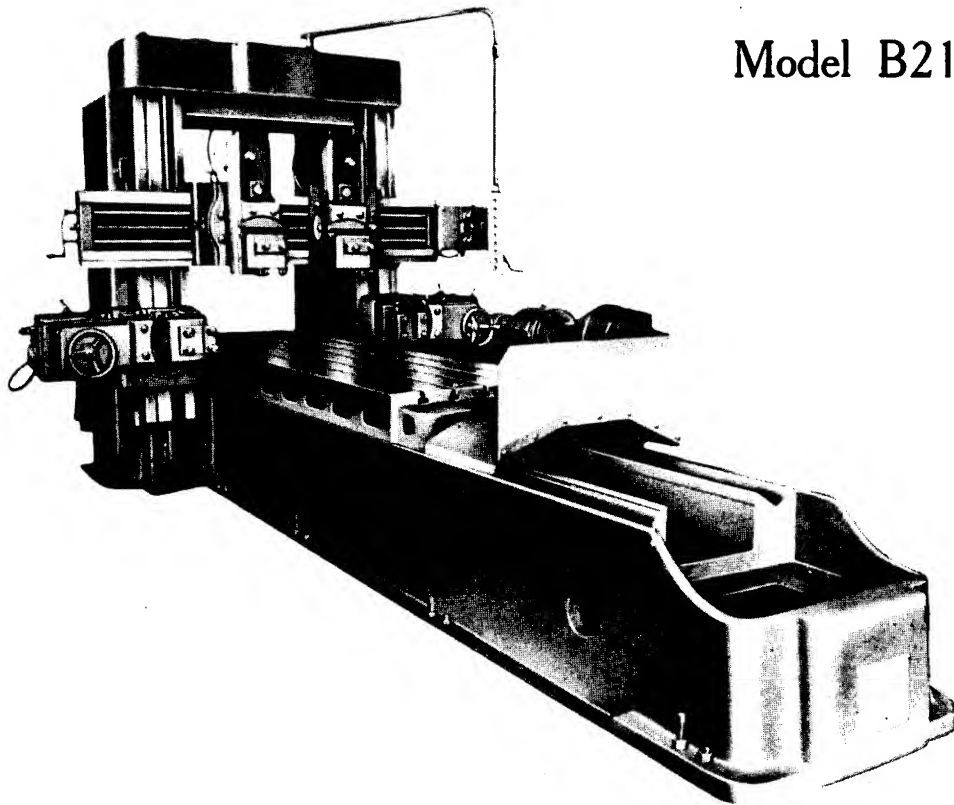
(IMPORT — EXPORT)

1-1, HSI-CHIAO, PEKING, CHINA

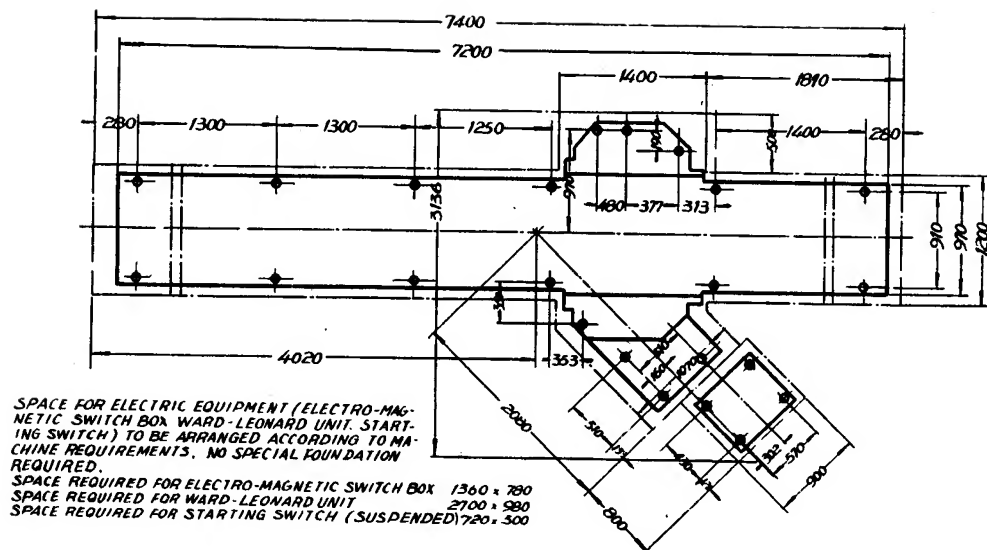
ABLE ADDRE

PEKING

25X1



Model B210



DOUBLE HOUSING PLANER MODEL B210

This planer is used for machining various shaped guideways, V or T slots, horizontal, vertical, and oblique planes, etc.

The table is driven by a D. C. motor through speed reduction gearing and worm which is engaged with the rack under the table.

The change of direction of table motion is effected by reversing the rotation of the main drive motor; the cutting speed, i.e. table speed, can be varied smoothly by means of the Ward-Leonard control.

On the cross rail of the machine are fitted two vertical tool heads and a main feed gear box which is individually driven by a reversible motor.

The head feed motor starts at the moment the change of return stroke of table takes place. During the return stroke of the table, the feed gear box completes its set-up; as soon as this return stroke changes to working stroke, the tool heads start feeding.

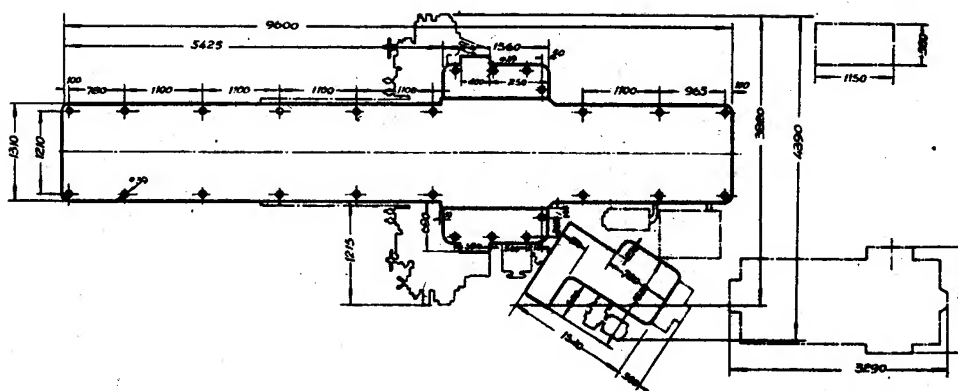
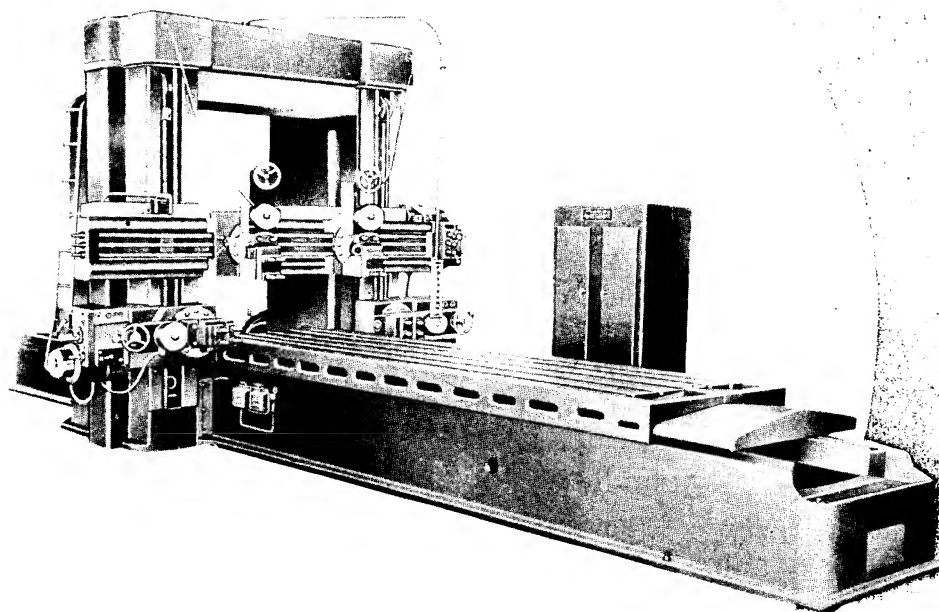
The side tool heads are each individually driven by motor and feed gear box.

The machine is controlled by an electric control table and a pendant pushbutton station.

SPECIFICATION

| | | | | | | | | | | |
|--|--------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
| Max. planing length | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3000 mm. |
| Max. planing width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1000 mm. |
| Max. planing height | ... | ... | ... | ... | ... | ... | ... | ... | ... | 850 mm. |
| Max. weight of workpiece | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5000 kg. |
| Working table surface (L×W) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3000×900 mm. |
| No. of T slots | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| Width of T slots | ... | ... | ... | ... | ... | ... | ... | ... | ... | 28 mm. |
| Distance between T slots | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 mm. |
| No. of vertical tool heads | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| No. of side tool heads | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Max. size of tool shank (W×H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40×60 mm. |
| Range of cutting speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 - 75 m/min. |
| Return speed of table | ... | ... | ... | ... | ... | ... | ... | ... | ... | 75 m/min. |
| Range of horizontal feed of vertical tool head per working stroke of table | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.5-25 mm. |
| Range of vertical feed of vertical tool head per working stroke of table | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.125-6.2 mm. |
| Rapid traverse speed of vertical tool head (horizontal) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2.33 m/min. |
| Range of feed of side tool head per working stroke of table | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.25-12.5 mm. |
| Rapid traverse speed of side tool head (vertical) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1.07 m/min. |
| Elevating speed of cross rail (vertical) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.5 m/min. |
| Total number of electric motors | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13 |
| Driving D. C. motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 40 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1460 rpm. |
| D. C. generator: | Output | ... | ... | ... | ... | ... | ... | ... | ... | 19/19.8/9.6 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1475 rpm. |
| Exciter: | Output | ... | ... | ... | ... | ... | ... | ... | ... | 5 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1460 rpm. |
| D. C. motor for driving table: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 6.5/16.2/16.2 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 140/350/1400 rpm. |
| Fan motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 1 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 2850 rpm. |
| A. C. Motor for driving speed regulator: | Power | ... | ... | ... | ... | ... | ... | ... | ... | above 0.5 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 3000 rpm. |
| Speed regulator: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 0.15 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 2850 rpm. |
| Head feeding A. C. motors (3 sets): | Power | ... | ... | ... | ... | ... | ... | ... | ... | 1.7 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1420 rpm. |
| Cross rail elevating A. C. motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 1.7 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1420 rpm. |
| Cross rail clamping A. C. motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 0.6 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1410 rpm. |
| A. C. motor for driving lubricating oil pump: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 0.25 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1400 rpm. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7200×3650×2680 mm. |
| Net weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20500 kg. approx. |

Model B215



DOUBLE HOUSING PLANER MODEL B215

This machine can be used for planing heavy castings or forgings weighing up to 10 tons.

Three sides of the workpiece can be planed by 2 vertical tool heads and 2 side tool heads simultaneously.

The working table is driven by a D. C. motor controlled by Ward-Leonard system through a pair of herring-bone speed reducing gears, worm wheel and rack. The power feeds and rapid traverse of all tool heads are also actuated by individual D. C. motors.

Clamping and travel of the cross rail are power operated.

All slide ways and principal mechanisms are lubricated by an electric motor driven oil pump.

The machine is provided with safety device against overload and interlocking device to protect the same from being damaged.

SPECIFICATION

| | | | | | | |
|---|---------|-----|-----|-----|-----|--------------------|
| Distance, vertical tool head to table: | Minimum | ... | ... | ... | ... | 0 mm. |
| | Maximum | ... | ... | ... | ... | 1300 mm. |
| Extreme position of centre line of side tool head: | | | | | | |
| Above table surface | ... | ... | ... | ... | ... | 1050 mm. |
| Below table surface | ... | ... | ... | ... | ... | 200 mm. |
| Between two columns | ... | ... | ... | ... | ... | 1500 mm. |
| Maximum planing length | ... | ... | ... | ... | ... | 4000 mm. |
| Maximum planing width | ... | ... | ... | ... | ... | 1500 mm. |
| Maximum planing height | ... | ... | ... | ... | ... | 1250 mm. |
| Maximum safe weight of workpiece | ... | ... | ... | ... | ... | 10000 kg. |
| Working surface of table (L×W) | ... | ... | ... | ... | ... | 4000×1300 mm. |
| Stroke of table: Minimum | ... | ... | ... | ... | ... | 800 mm. |
| Maximum | ... | ... | ... | ... | ... | 4000 mm. |
| Range of cutting speed of table | ... | ... | ... | ... | ... | 6-60 m/min. |
| Range of return speed of table | ... | ... | ... | ... | ... | 12-60 m/min. |
| Number of feeds of vertical and side tool heads | ... | ... | ... | ... | ... | 21 |
| Range of feed of vertical tool head per double stroke of table: | | | | | | |
| Vertical | ... | ... | ... | ... | ... | 0.25-25 mm. |
| Horizontal | ... | ... | ... | ... | ... | 0.5 -50 mm. |
| Range of vertical feed of side tool head per working stroke of table: | ... | ... | ... | ... | ... | 0.5 -50 mm. |
| Rapid traverse speed of vertical tool head: | | | | | | |
| Vertical | ... | ... | ... | ... | ... | 1500 mm/min. |
| Horizontal | ... | ... | ... | ... | ... | 3000 mm/min. |
| Vertical rapid traverse speed of side tool head | ... | ... | ... | ... | ... | 3000 mm/min. |
| Elevating speed of cross rail | ... | ... | ... | ... | ... | 1000 mm/min. |
| Total number of motors | ... | ... | ... | ... | ... | 13 |
| Motor, 3-phase, A. C.: | Power | ... | ... | ... | ... | 75 Kw. |
| | Speed | ... | ... | ... | ... | 980 rpm. |
| D. C. generator: | Speed | ... | ... | ... | ... | 975 rpm. |
| Exciter: | Power | ... | ... | ... | ... | 7.8 KW. |
| | Speed | ... | ... | ... | ... | 975 rpm. |
| D. C. motor for driving table: | Power | ... | ... | ... | ... | 27-34 KW. |
| | Speed | ... | ... | ... | ... | 132.5-1325 rpm. |
| A. C. motor for fan: | Power | ... | ... | ... | ... | 1.5 KW. |
| | Speed | ... | ... | ... | ... | 1450 rpm. |
| A. C. motor for driving speed regulator: | Power | ... | ... | ... | ... | above 0.5 KW. |
| | Speed | ... | ... | ... | ... | 3000 rpm. |
| D. C. generator for speed regulator: | Output | ... | ... | ... | ... | 0.5 KW. |
| D. C. motors for feeding (3 sets) | Power | ... | ... | ... | ... | 1.75 KW. |
| | Speed | ... | ... | ... | ... | 1450 rpm. |
| Cross rail elevating A. C. motor: | Power | ... | ... | ... | ... | 4.5 KW. |
| | Speed | ... | ... | ... | ... | 1400 rpm. |
| Cross rail clamping A. C. motor: | Power | ... | ... | ... | ... | 1 KW. |
| | Speed | ... | ... | ... | ... | 930 rpm. |
| Hydraulic pump A. C. motor: | Power | ... | ... | ... | ... | 1 KW. |
| | Speed | ... | ... | ... | ... | 1410 rpm. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | 9600×3820×3548 mm. |
| Net weight | ... | ... | ... | ... | ... | 32000 kg. approx. |

N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*

25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

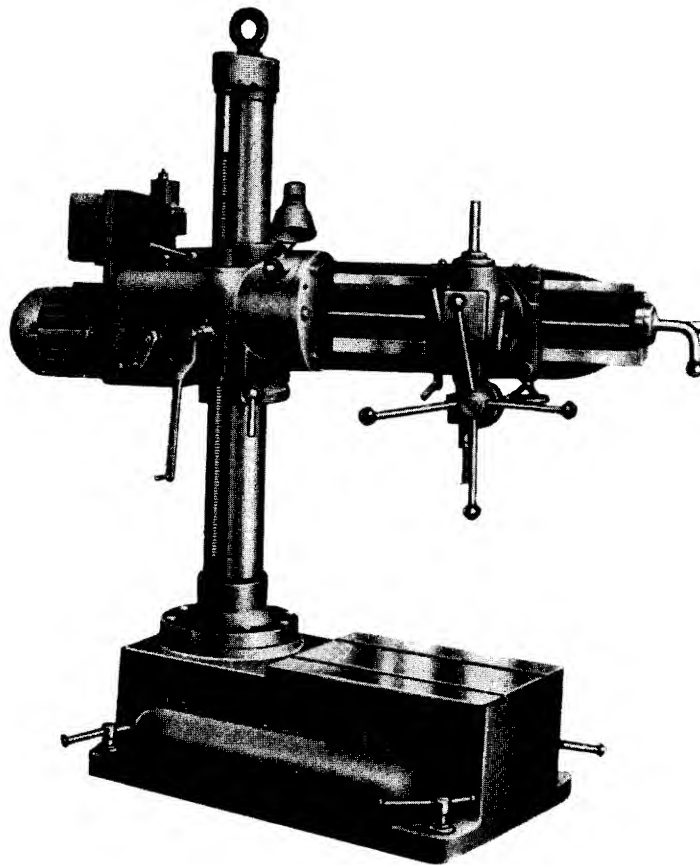
SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

25X1

25X1

*Portable
Radial Drilling Machine*
MODEL Z 32K



移動式

搖臂鑽床

25X1

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOU, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

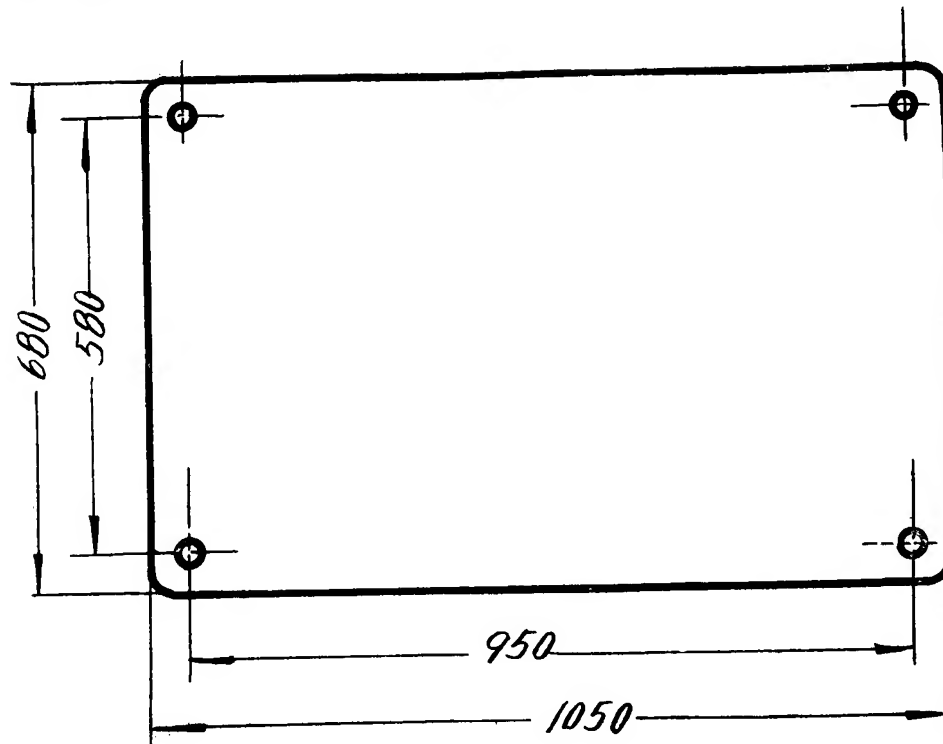
PORTABLE RADIAL DRILLING MACHINE

MODEL Z32K

This machine is intended for drilling operations on heavy and box like workpieces during erection and installation. It can be moved (with base of the machine on rollers) or shifted by crane to the workpieces. By swivelling the cross arm and the spindle head stock, the spindles can be adjusted to operate on plane of any inclination.

SPECIFICATION

| | |
|--|-------------------------|
| Max. drilling capacity | 25 mm. |
| Distance, centre of spindle to column: | |
| Maximum | 815 mm. |
| Minimum | 315 mm. |
| Distance, spindle nose to bedplate: | |
| Maximum | 870 mm. |
| Minimum | 25 mm. |
| Taper of hole in spindle | Morse No. 2 |
| Max. travel of spindle (manual) | 130 mm. |
| Max. horizontal travel of spindle headstock (manual) | 500 mm. |
| Max. swivel of spindle headstock | 360° |
| Max. travel of arm (manual) | 840 mm. |
| Max. swivel of arm around vertical centre line of column | 360° |
| Max. swivel of arm around horizontal centre line of arm | 360° |
| Spindle speed | 175, 432, 693, 980 rpm. |
| Motor: 3-phase, A.C., flanged: | |
| Power | 17 KW. |
| Speed | 1430 rpm. |
| Overall dimensions (L x W x H) | 1800 x 680 x 2000 mm. |
| Net weight | 780 kg. approx. |

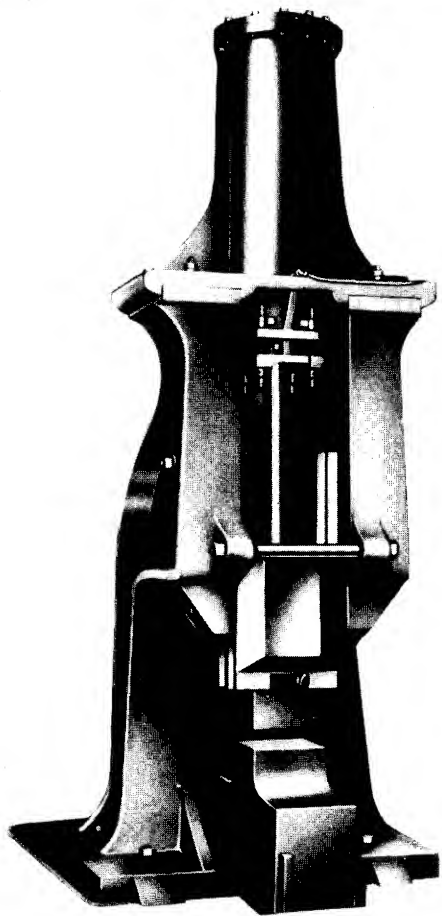


N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

蒸空兩用錘

Steam Or Pneumatic Hammer

25X1



(1 TON)
MODEL 232-1

25X1

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

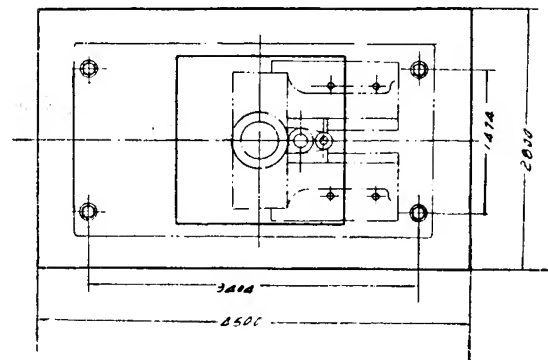
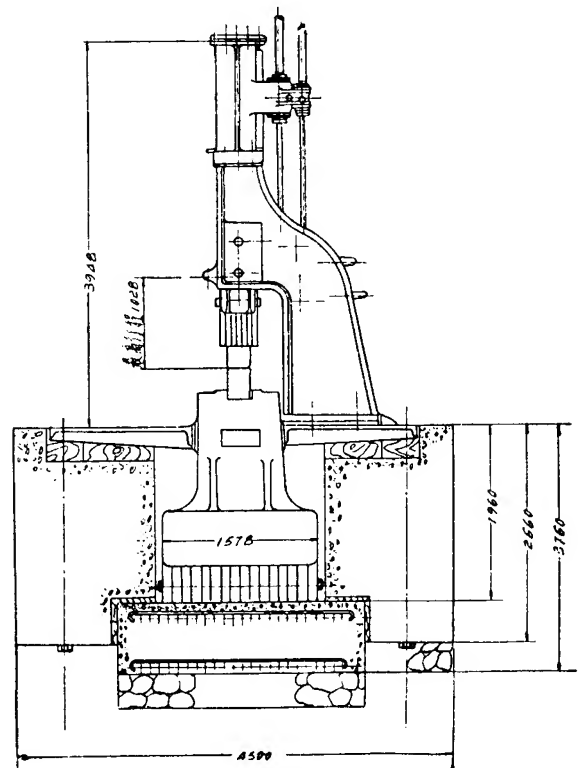
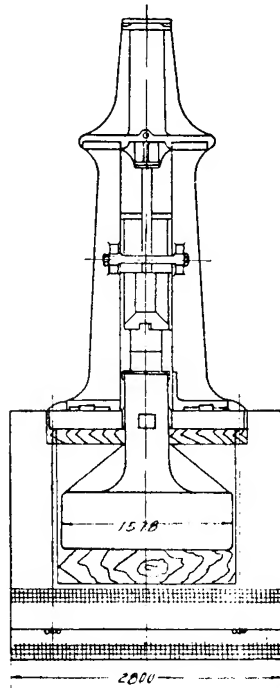
ER-LI-KOW, HSI-CHIAO, PEKING, CHINA CABLE ADD: MACHIMPORT PEKING

STEAM OR PNEUMATIC HAMMER (1 TON)

Model 232 - I

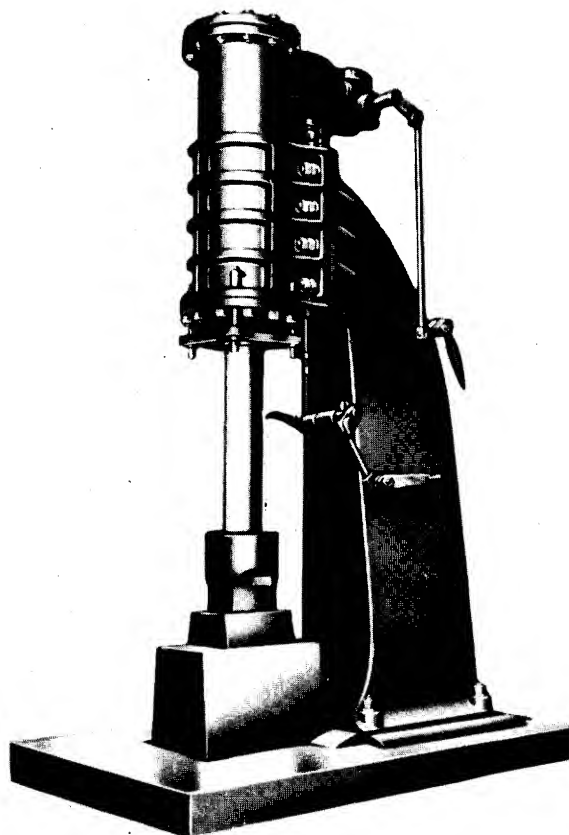
This machine is capable of piercing, extending, upsetting, and other free forging operations. Blows can be adjusted single or continual.

| | | | | | | | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| Rated capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1000 kg. |
| Max. stroke | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1028 mm. |
| Cylinder bore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 381 mm. |
| Diameter of ram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 127 mm. |
| Distance from centre of ram to column | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 458 mm. |
| Ram surface (L × W)... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 355 × 292 mm. |
| Anvil surface (L × W)... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 355 × 292 mm. |
| Pressure | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 kg./cm ² |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3734 × 1982 × 3948 mm. |
| Machine weight (excluding anvil) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 21000 kg. |
| Anvil weight... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 14000 kg. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1



HALE

中國機械進

CHINA NATIONAL MACHINERY IMPORTERS & EXPORTERS

IMPORTERS & EXPORTERS

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA CABLE AND

25X1

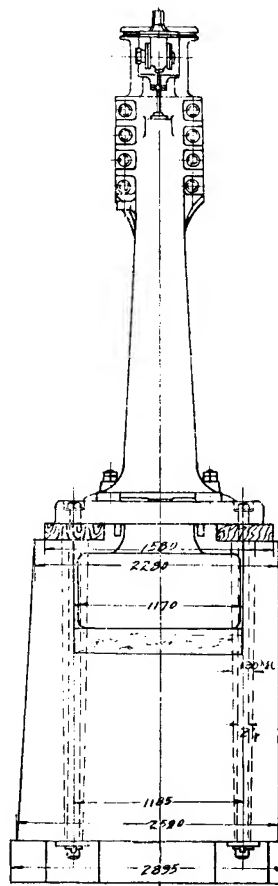
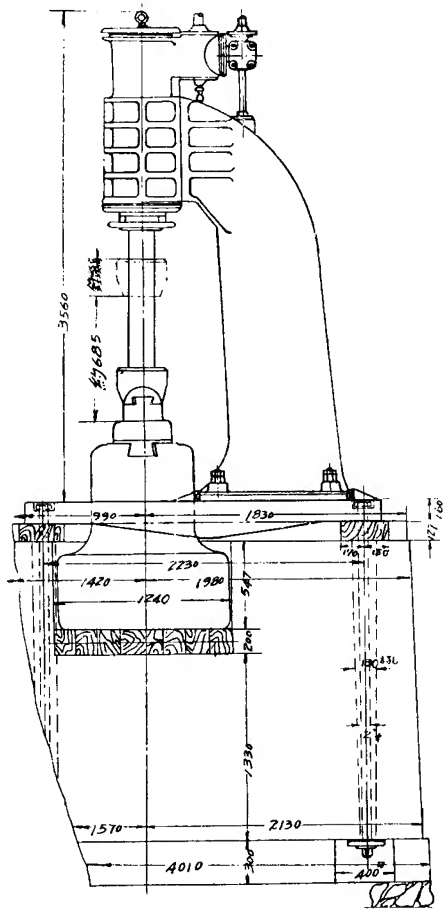
25X1

25X1

Model 232 - $\frac{1}{2}$

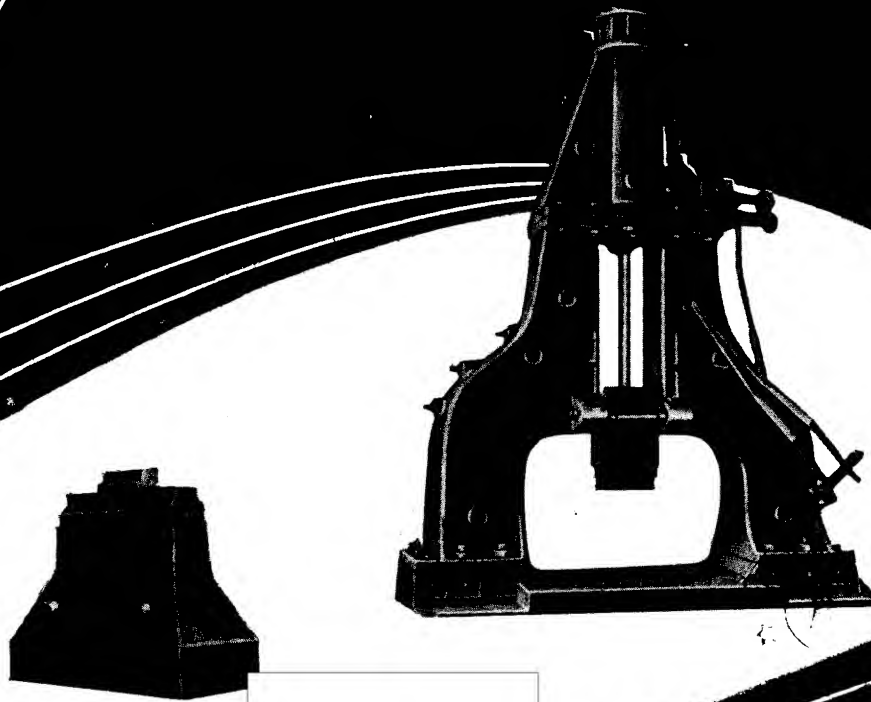
This machine is durable and compact, though simple in construction and easy in operation. Its piston is of double stroke type and powerful in ramming. It is well equipped and complete with safety device.

| | | |
|---|----------|-----------------|
| Falling weight | ... .. . | 500 kg. |
| Max. stroke of piston | ... .. . | 685 mm. |
| Cylinder bore | ... .. . | 355 mm. |
| Dia. of hammer rod | ... .. . | 184 mm. |
| Dia. of steam inlet pipe | ... .. . | 2½" (gas pipe) |
| Dia. of exhaust pipe | ... .. . | 4" (gas pipe) |
| Anvil surface | ... .. . | 200 × 410 mm. |
| Ram surface | ... .. . | 200 × 255 mm. |
| Max. distance of ram centre line to the vertical pillar | ... .. . | 610 mm. |
| Height of anvil surface from ground | ... .. . | 738 mm. |
| Total height of hammer assembled | ... .. . | 3560 mm. |
| Floor space of bed plate | ... .. . | 1200 × 1130 mm. |
| Weight of ram | ... .. . | 10500 kg. |
| Weight of anvil | ... .. . | 7500 kg. |
| Gross weight of machine | ... .. . | 18000 kg. |
| Max. diameter of work forgeable | ... .. . | 150 mm. |



PNEUMATIC-STEAM HAMMER (2-TON)

MODEL 232-2



蒸空两用锤

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KO, HSI-CHIAO, PEKING, CHINA

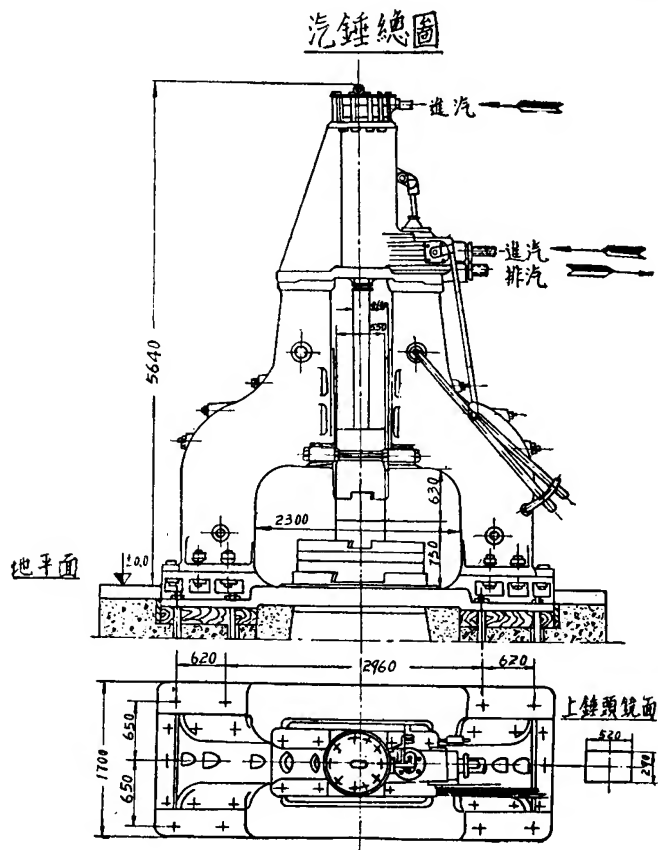
蒸 空 兩 用 錘

PNEUMATIC-STEAM HAMMER (2-TON)

MODEL 232-2

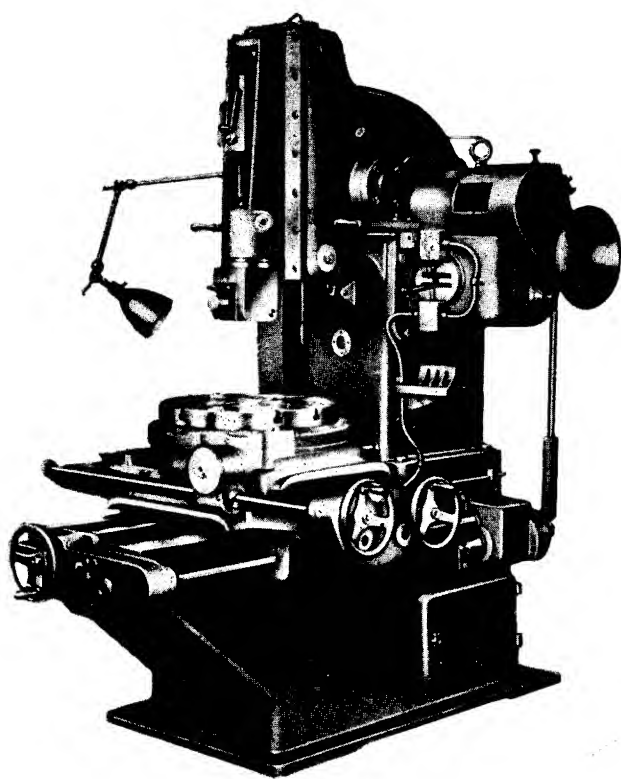
This kind of Pneumatic-Steam Hammer is suitable for extending, upsetting, punching, breaking, bending, forge welding and other free forging works. It has double column housing with steam cushioning device. The distribution of steam is controlled by a cylindrical piston valve and a control valve. The hammer can be manually controlled to perform single blow action and may be brought to a standstill at any position. The lubrication of the hammer is by a central system.

| | |
|---|---------------|
| Nominal blow..... | 2000 kg. |
| Max. stroke of ram..... | 1260 mm. |
| Dia. of cylinder..... | 430 mm. |
| Dia. of ram rod..... | 140 mm. |
| Distance between anvil block and the end of guide ways..... | 630 mm. |
| Distance between anvil block and ground surface..... | 750 mm. |
| Distance between columns..... | 2300 mm. |
| Distance between guide ways..... | 550 mm. |
| Ram surface..... | 520x290 mm. |
| Anvil surface..... | 520x290 mm. |
| Steam pressure (absolute) | |
| Inlet..... | 7.9 atm. |
| Outlet..... | 1-1.5 atm. |
| Max. speed of ram..... | 8.9 m/sec. |
| Energy of stroke (dropping speed of hammer 8.9 m/sec.)..... | 7000 mkg. |
| Stroke per minute..... | 85 |
| Base (length x width)..... | 4450x1700 mm. |
| Overall height above ground surface..... | 5640 mm. |
| Weight of machine (excluding anvil block)..... | 29568 kg. |
| Weight of anvil block..... | 30060 kg. |



Slotting Machine

Model 7417



插床

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADD: "MACHIMPORT" PEKING

SLOTTING MACHINE

MODEL 7417

This machine is suitable for machining plane and profile surfaces, slots, keyways, and different kinds of dies. It is started by a friction clutch and quickly stopped by a braking device.

The number of reciprocating strokes of ram per minute is adjusted by means of a gear box; the longitudinal, traverse and circular feeds by means of ratchet mechanism.

The stroke of the ram is controlled by an eccentric wheel of the crank mechanism; the tool edge is released from the workpiece during the return stroke of ram.

Longitudinal, cross, or circular feed of the table is disengaged automatically by limit stops. The feed mechanism is provided with reverse motion and a safety device against overload.

The rotary table is graduated into 360 divisions.

Table and ram traverse are operated either by power or hand.

Stroke of ram:

| | | | | | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Minimum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 mm. |
| Maximum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 160 mm. |

Distance, table surface to ram:

| | | | | | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Minimum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 mm. |
| Maximum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 450 mm. |

Distance, rear side of table to column:

| | | | | | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Minimum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25 mm. |
| Maximum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 500 mm. |

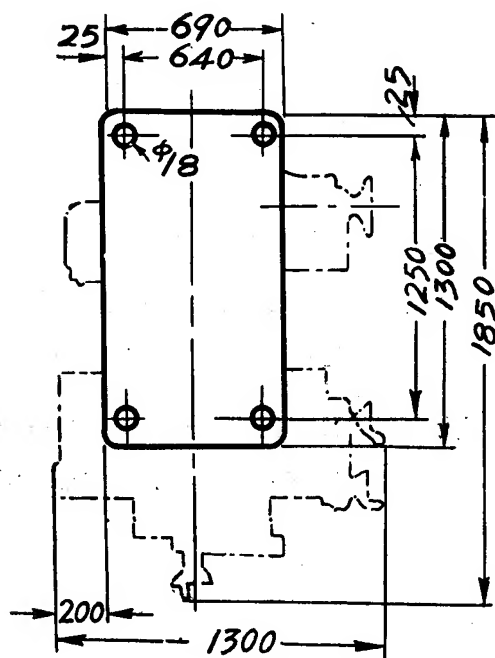
Distance, outside edge of ram to rear side of table:

| | | | | | | | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Minimum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 mm. |
| Maximum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 455 mm. |

Distance, tool post seat to column 480 mm.

Distance, surface of table to ram guide 350 mm.

Diameter of table... .. 500 mm.

[illegible]

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

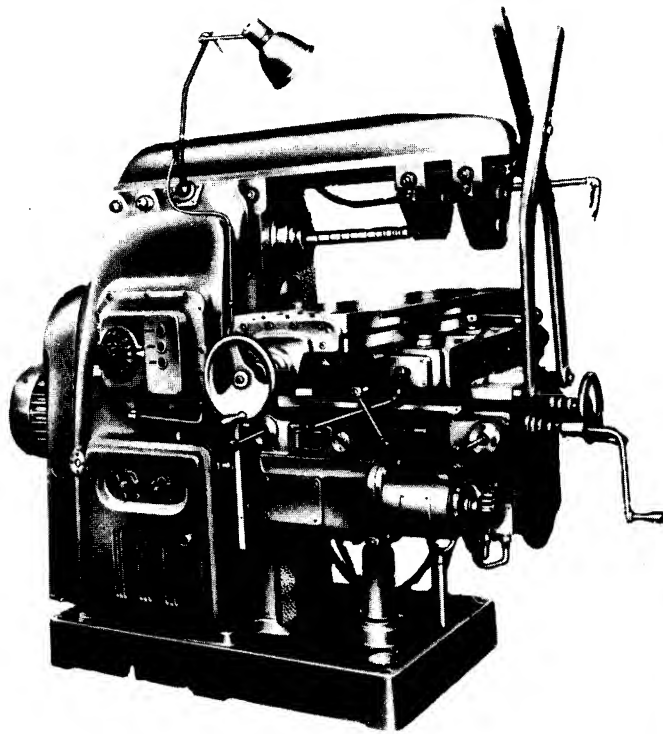
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Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

Horizontal Milling Machine

MODEL X62



臥式銑床

25X1

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

FR-11-KOII HSI-CHIAO PEKING CHINA CABLE ADD: MACHIMPORT PEKING
Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

HORIZONTAL MILLING MACHINE MODEL X62

This machine is a superior miller equipped with high grade electric control device, and suitable for multi-purpose, general, and complicated milling operations. It may be adopted in small and big workshops, as well as automobile manufacturing plants.

Outstanding features: -

1. Rigid construction, ample power, high speeds, and capability of using carbide cutting tools for high speed cutting.
2. Working table, being equipped with automatic start, automatic stop, intermittent and reciprocating motions for the automatic working cycle, is suitable for lot or mass production.
3. Hand levers and push buttons for operating the machine are mounted on both the left and front sides of machine.
4. The start and stop of spindle and the rapid traverse of working table are all controlled by means of push buttons, while the working table may be driven by power or by hand.
5. Spindle and feed are driven separately, change of speeds and feeds are obtained through the selection dials of gear box and feed box.
6. There is a device for eliminating backlash between table feed screw and half-nut, thus climb cutting may be accomplished. Accessories: Arbor and spanners etc.

Main dimensions:--

| | | |
|---|--|---------|
| Distance, centre line of spindle to top of table: | | |
| Minimum | | 30 mm. |
| Maximum | | 450 mm. |
| Distance, centre of table to bedways: | | |
| Minimum | | 205 mm. |
| Maximum | | 455 mm. |
| Distance, centre line of spindle to overarm: | | 155 mm. |

Working table:--

| | | |
|----------------------------------|--------|--------------|
| Working surface of table (L x W) | | 1250x320 mm. |
| Max. table travel: | | |
| Longitudinal | | 700 mm. |
| Cross: | Power | 230 mm. |
| | Manual | 250 mm. |
| Vertical: | Power | 400 mm. |
| | Manual | 420 mm. |

Mechanical capacity:—

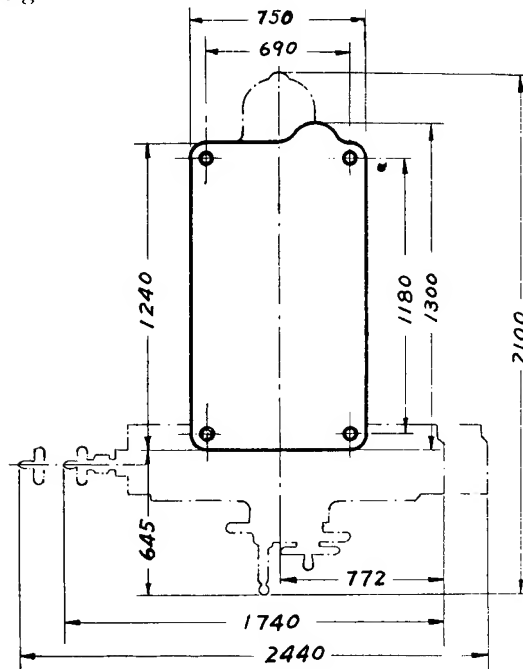
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|---|-----------------------|
| Number of spindle speeds | 18 |
| Range of spindle speed | 30-1500 rpm. |
| Number of longitudinal, cross, and vertical table feeds | 18 |
| Range of longitudinal, cross, and vertical table feeds | 19-950 mm/min. |
| Range of vertical feed | 1/3 longitudinal feed |
| Rapid traverse speed of working table: | |
| Longitudinal | 2300 mm/min. |
| Cross | 2300 mm/min. |
| Vertical | 770 mm/min. |

Drive, overall dimension and weight:—

Motors: 3-phase, A.C.

| | | |
|-------------------|-------|-----------|
| for main drive: | Power | 7 KW. |
| | Speed | 1445 rpm. |
| for feeding: | Power | 2.8 KW. |
| | Speed | 1440 rpm. |
| for coolant pump: | Power | 0.125 KW. |
| | Speed | 2800 rpm. |

| | |
|-------------------------------|-------------------|
| Overall dimension (L x W x H) | 2100x1740x1615 mm |
| Net weight | 3000 kg. approx. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
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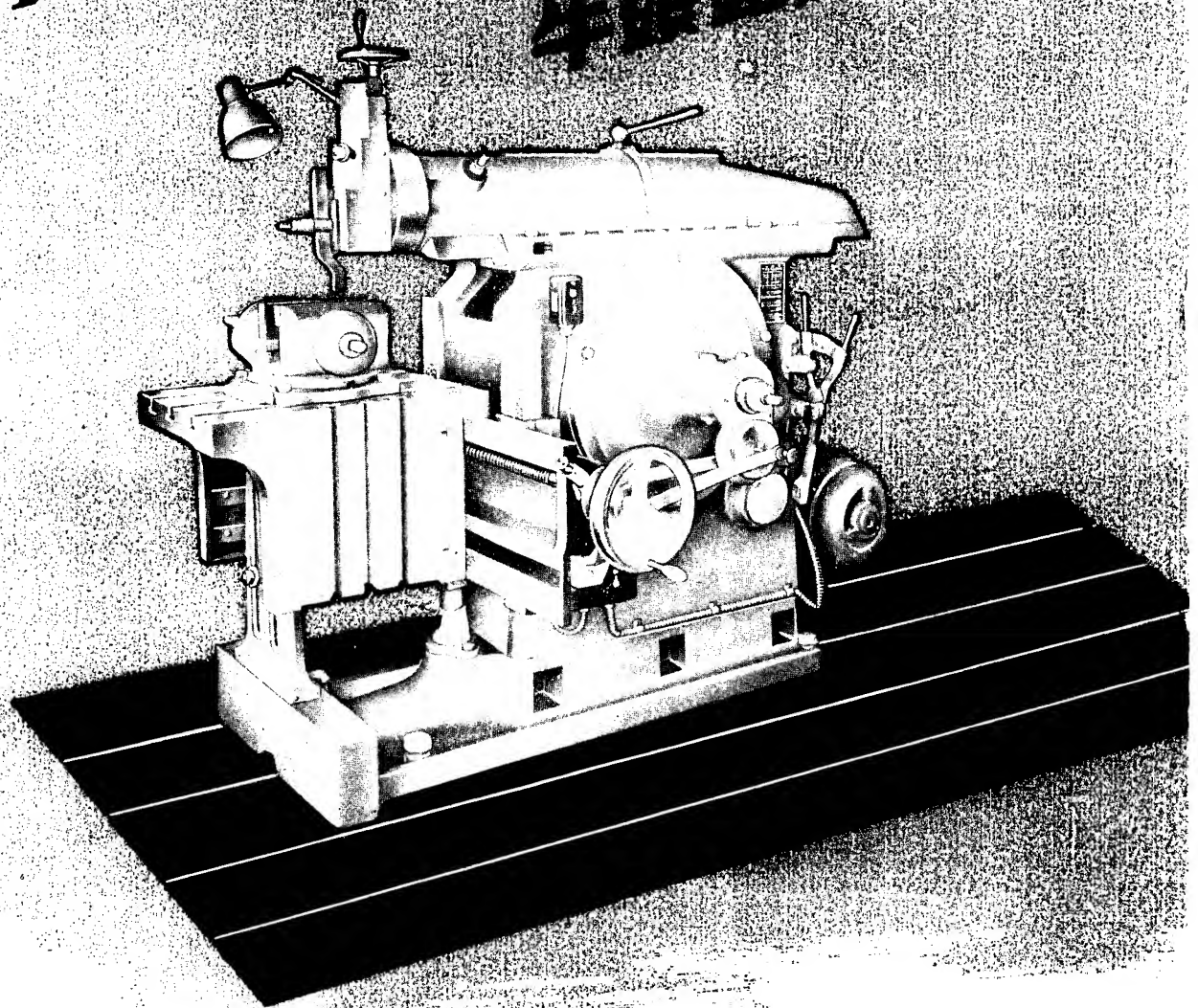
SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

25X1

Super
MODEL B 665

牛頭銼床



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

SHAPER MODEL B665

This machine is suitable for shaping plane and formed surfaces of workpieces for small scale production.

The machine is driven by an individual motor.

The ram and tool head are actuated by a crank mechanism. The tool head can be swivelled and the vertical feed of the tool slide is effected by hand.

The horizontal traverse of table is effected either by power or manually, while the vertical traverse is actuated only by hand. The horizontal feed of work table is regulated by ratchet wheel mechanism.

Accessories attached with the machine:—

- 1 set — Plain vice of 240 mm width.
- 1 pce. — Socket wrench.
- 3 pcs. — Hook wrenches.

SPECIFICATION

| | |
|---|---------------|
| Max. stroke of ram | 650 mm. |
| Max. distance between lower edge of ram and table | 370 mm. |
| Max. distance from tool bottom to machine bed (overhang) | 700 mm. |
| Table (L x W):— | |
| Top | 550 x 450 mm. |
| Side | 450 x 400 mm. |
| Saddle of table | 450 x 400 mm. |
| Max. travel of table:— | |
| Horizontal (power or manual) | 600 mm. |
| Vertical (manual) | 300 mm. |
| Max. size of shank (W x H) | 20 x 30 mm. |

| | |
|--|------------------------------------|
| Max. adjustment of ram (each side of centre) . . . | \pm 250 mm. |
| Max. swivel of tool head | \pm 20° |
| Max. vertical travel of tool head (manual) | 175 mm. |
| Max. swivel of tool head | \pm 60° |
| No. of strokes of ram per minute | 12.5; 17.9; 25; 36.5; 52.5; 73. |

Table horizontal feed per stroke of ram :

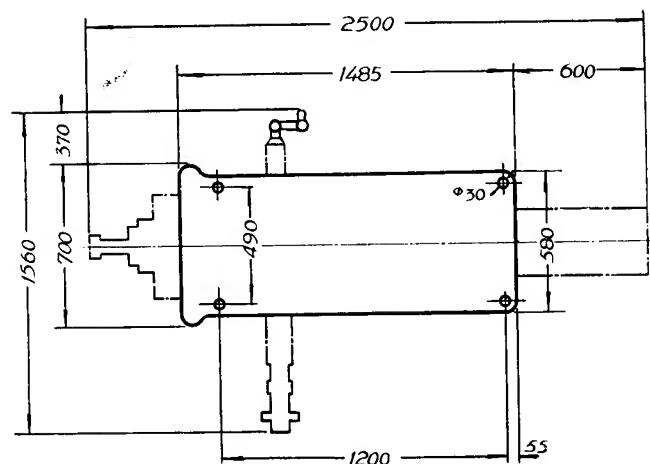
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| Min. (by turning each ratchet wheel tooth) . . | 0.33 mm. |
| Max. (by turning 10 ratchet wheel teeth) . . . | 3.33 mm. |

Motor: 3-phase, A.C.

| | |
|---------------------------------------|------------------------|
| Power | 3.5 KW. |
| Speed | 960 rpm. |
| Overall dimension (L x W x H) | 2060 x 1560 x 1750 mm. |
| Net weight | 1850 kg. approx. |

Remarks :

Swivel of tool head can be 60° when space between tool and guideway is not smaller than 10 mm., otherwise, only 20° can be obtained.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

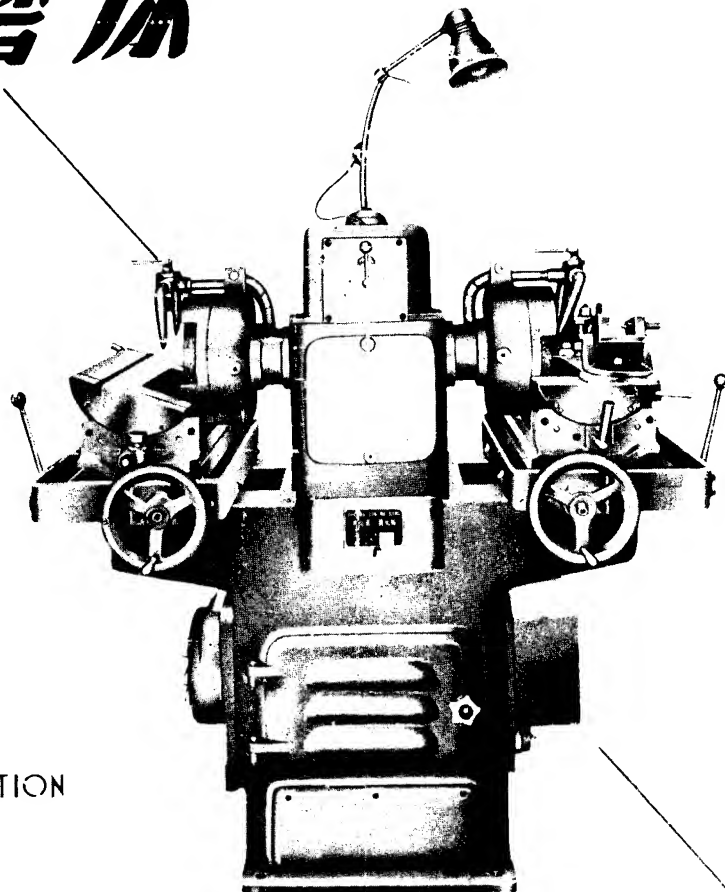
BRANCHES

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| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

TOOL GRINDER

Model M6250K

刀具磨床



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
180 N. KIEWIT STREET, CHINA, BEIJING, CHINA
AREA 180 N. KIEWIT STREET, CHINA

25X1

刀 具 磨 床

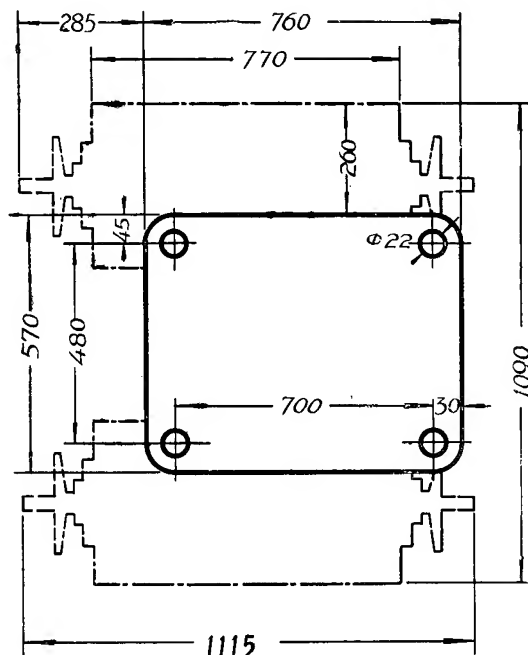
TOOL GRINDER MODEL M6250K

This machine is suitable for grinding carbide tools. The carriage is composed of lower slide, upper slide, and rotary table. The tool to be ground is clamped by special holding fixture and subjected to cooling action during grinding.

The cross travel of lower slide along guideways and the longitudinal travel of upper slide along the working surface of grinding wheel are both effected by hand; the swivel of working table which is fixed on the upper slide, may be adjusted according to scale.

SPECIFICATION

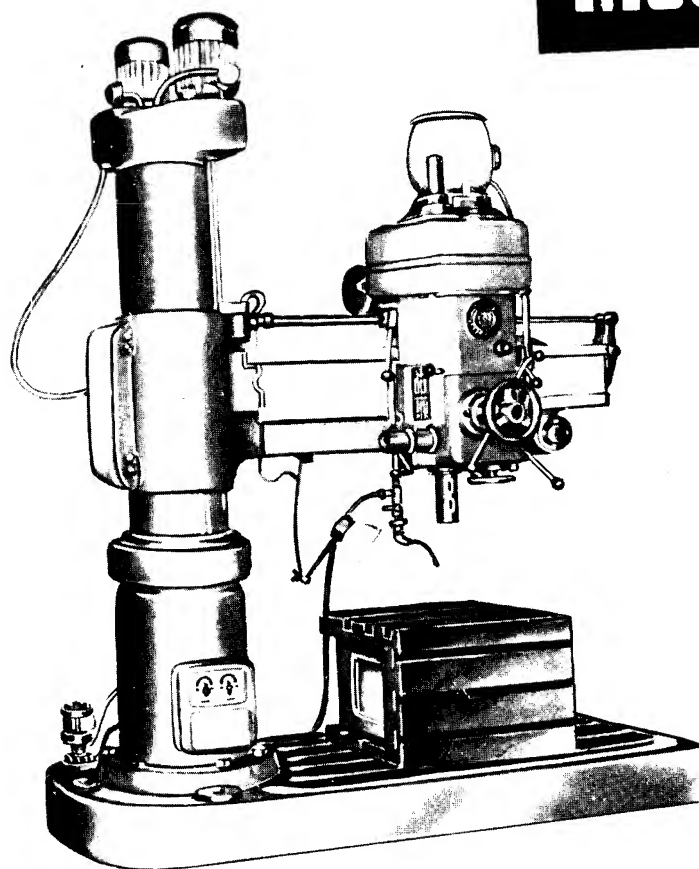
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|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| Max. size of tools to be ground | ... | ... | ... | ... | ... | ... | ... | ... | ... | 50x50 mm. |
| No. of grinding wheels | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Outside diameter of wheel | ... | ... | ... | ... | ... | ... | ... | ... | ... | 250 mm. |
| Inside diameter of wheel | ... | ... | ... | ... | ... | ... | ... | ... | ... | 150 mm. |
| Height of wheel | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 mm. |
| Spindle speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2280 rpm. |
| Motors: 3-phase, A.C. | | | | | | | | | | |
| for main drive: | | | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2.8 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2870 rpm. |
| for coolant pump: | | | | | | | | | | |
| power | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0.125 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2800 rpm. |
| Overall dimension (LxWxH) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1510 x 1115 x 1365 mm. |
| Net weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1200 kg. approx. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

Radial Drilling Machine

Model Z35



旋臂鑽床

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: MACHIMPORT PEKING

RADIAL DRILLING MACHINE MODEL Z35

This machine is used for drilling, counter sinking, reaming, boring and tapping.

Spindle speed and feed are controlled respectively by the gear box and the feed box. Rotation of the spindle can be reversed by reversing the rotation of the motor. The spindle feed is operated by power and its rapid traverse by hand.

A single motor is used for the automatic lifting of the arm.

Clamping and release of arm on vertical column and that of spindle head on arm are accomplished by hydraulically controlled devices. The spindle head can also be clamped by hand. The swivel of arm around column and the horizontal traverse of spindle head along guide way of arm are rendered by hand.

The machine is provided with 4 motors.

| | |
|------------------------|--------|
| Max. drilling diameter | 50 mm. |
|------------------------|--------|

Distance, centre line of spindle to column:

| | |
|---------|----------|
| Minimum | 450 mm. |
| Maximum | 1500 mm. |

Distance, spindle nose to working table:

| | |
|---------|----------|
| Minimum | 0 mm. |
| Maximum | 1000 mm. |

Distance, spindle nose to baseplate:

| | |
|---------|----------|
| Minimum | 470 mm. |
| Maximum | 1500 mm. |

| | |
|-----------------------|-------------|
| Taper hole of spindle | Morse No. 5 |
|-----------------------|-------------|

| | |
|--------------------------|---------|
| Max. traverse of spindle | 350 mm. |
|--------------------------|---------|

| | |
|--------------------------------------|----------|
| Max. traverse of spindle head on arm | 1050 mm. |
|--------------------------------------|----------|

| | |
|--------------------------------|---------|
| Max. traverse of arm on column | 680 mm. |
|--------------------------------|---------|

| | |
|-------------------|------|
| Max swivel of arm | 360° |
|-------------------|------|

| | |
|-----------------------|----|
| No. of spindle speeds | 18 |
|-----------------------|----|

Range of spingle speeds:

| | |
|---------|----------------|
| Forward | 30 - 1500 rpm. |
| Reverse | 34 - 1700 rpm. |

No. of spindle feeds

18

Range of feed per spindle revolution

0.03 - 1.2 mm.

Motors: 3-phase, A.C.

for driving spindle:

| | |
|-------|-----------|
| Power | 4.5 KW. |
| Speed | 1500 rpm. |

for lifting arm:

| | |
|-------|-----------|
| Power | 1.7 KW. |
| Speed | 1500 rpm. |

for clamping arm:

| | |
|-------|-----------|
| Power | 0.6 KW. |
| Speed | 1500 rpm. |

for coolant pump:

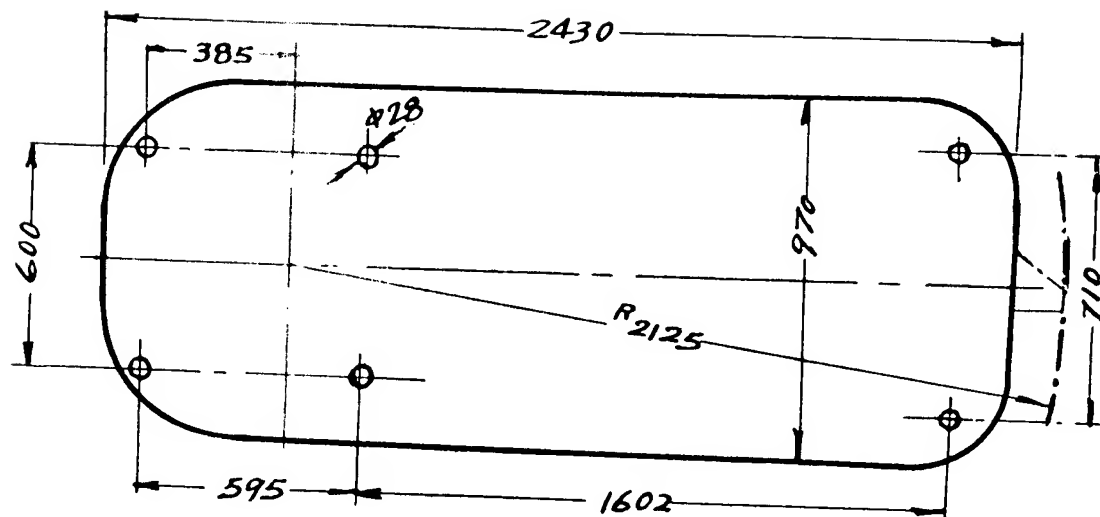
| | |
|-------|-----------|
| Power | 0.125 KW. |
| Speed | 2800 rpm. |

Overall dimension (LxWxH)

2610x970x3000 mm.

Net weight

4300 kg. approx.



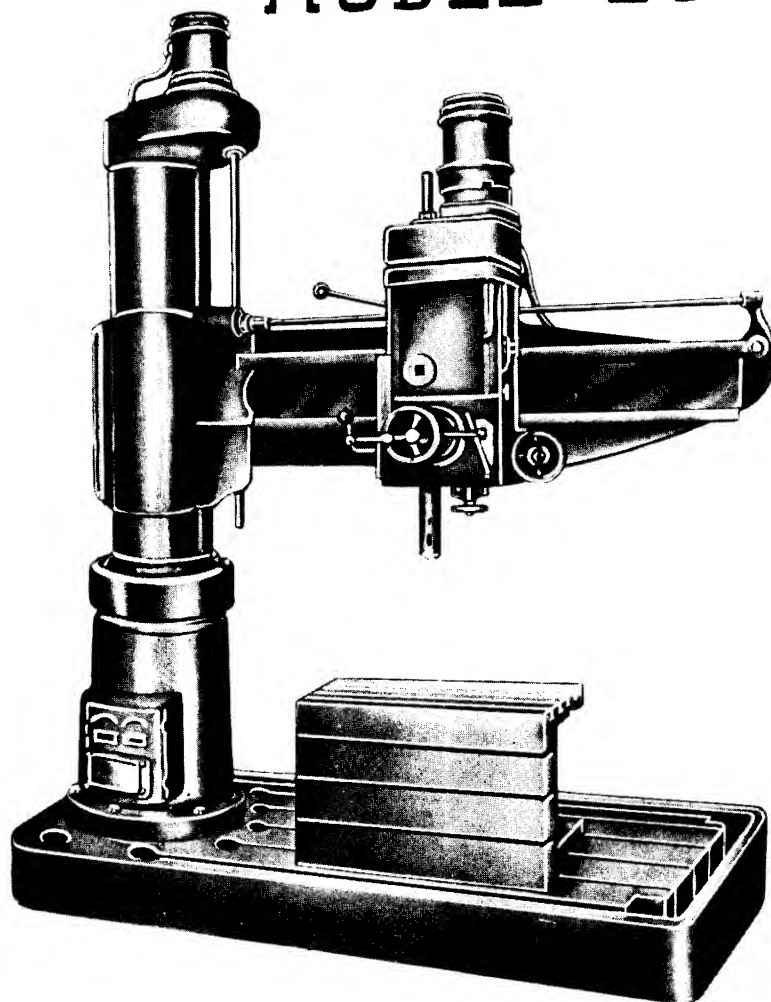
N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

| | |
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| <i>SHANGHAI OFFICE:</i> | 27 Chung Shan Road E I Cable Address: MACHIMPORT Shanghai |
| <i>CANTON OFFICE:</i> | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

Radial Drilling Machine

MODEL Z33



旋臂鑽床

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADD: "MACHIMPORT" PEKING

25X1

RADIAL DRILLING MACHINE

MODEL Z33

This machine is used for drilling, counter-boring, reaming, boring and tapping. The spindle is driven by a reversible motor. Feeds are performed either automatically or by hand.

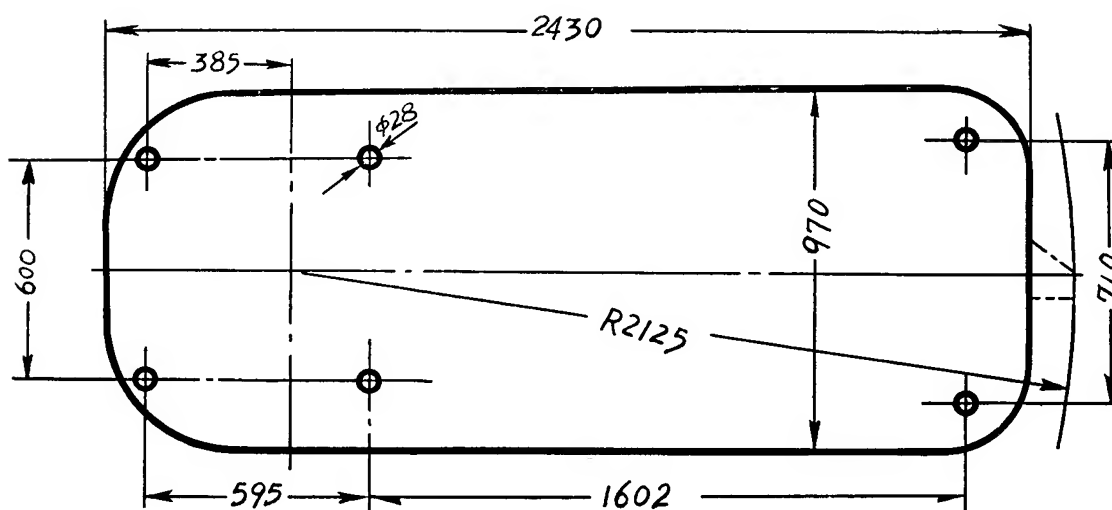
The spindle box moves horizontally along the arm and may be locked in any position by hand. The lifting of the arm along the column is effected by a single electric motor. It is released or clamped automatically at starting and stopping of the motor. The arm can be swiveled around the column by hand.

The change of spindle speed is obtained through the change-gear box, and change of feed rate through the feed box.

| | |
|---|----------------|
| Max. drilling capacity | 35 mm. |
| Distance, centre of spindle to column (overhang): | |
| Minimum... .. | 450 mm. |
| Maximum | 1500 mm. |
| Distance, spindle nose to table: | |
| Minimum... .. | 0 mm. |
| Maximum | 1000 mm. |
| Distance, spindle nose to base: | |
| Minimum... .. | 500 mm. |
| Maximum | 1500 mm. |
| Spindle travel (power or manual)... .. | 330 mm. |
| Taper in spindle bore | Morse No. 4 |
| Vertical travel of spindle head | 1050 mm. |
| Max. vertical travel of arm on column | 689 mm. |
| Max. swivel of arm on column | 360° |
| Vertical rapid travel speed of arm | 1.2 m/min. |
| No. of spindle speeds | 12 |
| Spindle speed range | 45-2090 rpm. |
| No. of spindle feeds | 12 |
| Spindle feed range | 0.03-1 mm/rev. |

Electric Motors: 3-phase, A.C.

| | | | | | | | | | | |
|--------------------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|
| drilling motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 3.2 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1450 rpm. |
| elevating motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 1.5 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 1425 rpm. |
| coolant pump motor: | Power | ... | ... | ... | ... | ... | ... | ... | ... | 0.125 KW. |
| | Speed | ... | ... | ... | ... | ... | ... | ... | ... | 2800 rpm. |
| Overall dimensions (L x W x H) | | ... | ... | ... | ... | ... | ... | ... | ... | 2500 x 970 x 3350 mm. |
| Net weight | | ... | ... | ... | ... | ... | ... | ... | ... | 4100 kg. approx. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

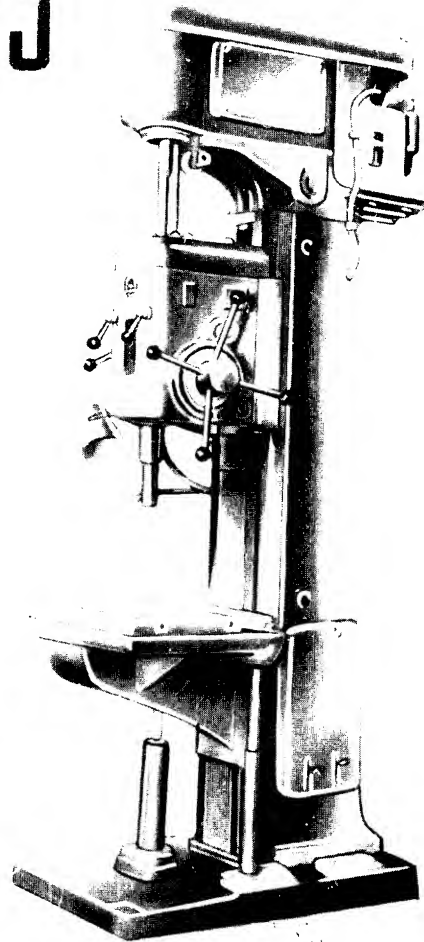
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| <i>CANTON OFFICE:</i> | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

25X1

Vertical Drilling Machine

Model Z525

立式鑽床



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA CABLE ADD: MACHIMPORT PEKING

25X1

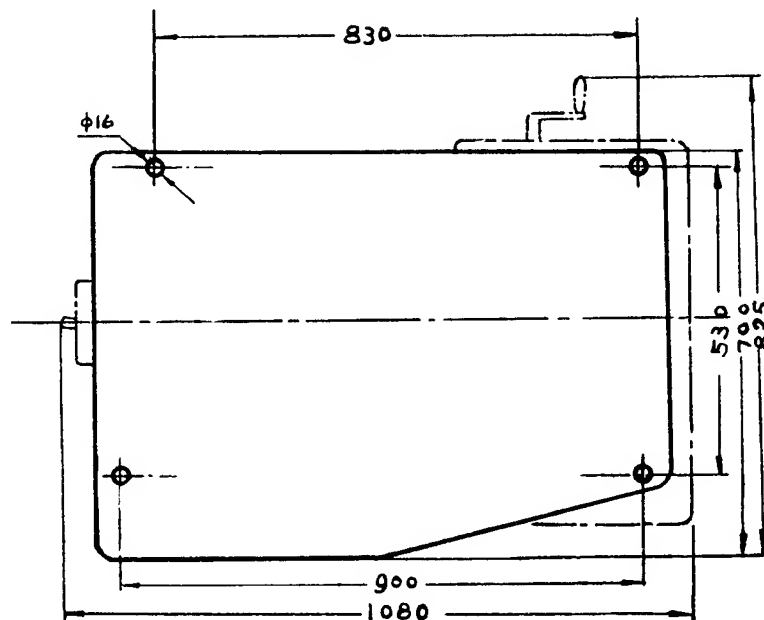
25X1

VERTICAL DRILLING MACHINE MODEL Z525

This machine is suitable for drilling, reaming, facing and tapping operations in repair shops or tool rooms for single piece or small scale production.

Drilling capacity:

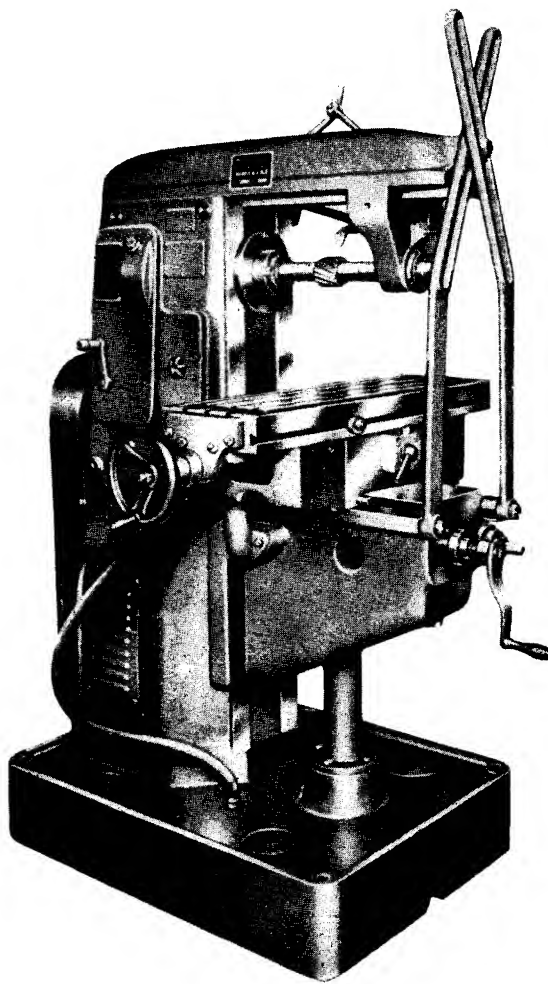
| | |
|--|--|
| Max. diameter | 25 mm. |
| Max. depth | 175 mm. |
| Distance, centre line of spindle to column | 250 mm. |
| Max. distance spindle nose to table | 700 mm. |
| Number of spindle speeds | 9 |
| Range of spindle speed | 96.5-1350 rpm. (68-950; 132-1850; or 187-2620 rpm. available on special request) |
| Range of spindle feed | 0.1-0.81 mm/rev. |
| Electric Motor: 3-phase, A.C. | |
| Power | 2.8 KW. |
| Speed | 1420 rpm. |
| Overall dimensions (LxWxH) | 1060x825x2295 mm. |
| Net weight | 1025 kg. approx. |



25X1

HORIZONTAL MILLING MACHINE

Model X602



臥式銑床

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

HORIZONTAL MILLING MACHINE

MODEL X602

This machine is suitable for milling various parts, using cylindrical, disc, angle or form milling cutters.

The working table and the main spindle are driven by an individual electric motor.

The spindle speeds are regulated by change gears and back gears.

The longitudinal movement of table is driven either by power or by hand, but the cross and vertical movements are driven by hand only.

The table feed is regulated by change gears and back gears.

The automatic cross movement of table is stopped either by hand or by limit stop.

SPECIFICATION

Distance, spindle centre line to table:

| | | |
|---------|-----------|---------|
| Minimum | | 30 mm. |
| Maximum | | 330 mm. |

Max. distance, main spindle end to

| | | |
|-------------------|-----------|---------|
| bearings of arbor | | 330 mm. |
|-------------------|-----------|---------|

Max. distance, vertical guideway to

| | | |
|----------------|-----------|---------|
| supporting arm | | 460 mm. |
|----------------|-----------|---------|

Distance, rear side of table to main spindle end:

| | | |
|---------|-----------|---------|
| Minimum | | 0 mm. |
| Maximum | | 150 mm. |

Distance, rear side of table to vertical guideway:

| | | |
|---------|-----------|---------|
| Minimum | | 45 mm. |
| Maximum | | 195 mm. |

Distance, spindle centre line to overarm 125 mm.

Working table surface (L x W) 750x225 mm.

Max. travel of table:

Longitudinal (manual) 150 mm.

Cross (power or manual) 450 mm.

Vertical (manual) 300 mm.

Spindle speeds: . . . 47.5; 67; 95; 132; 190; 265; 375; 530 rpm.

Number of table feeds 16

Range of table feed 19-420 mm/min.

Motors: 3- phase, A.C.

for main drive and cross feed: Power . . . 2.8 KW.

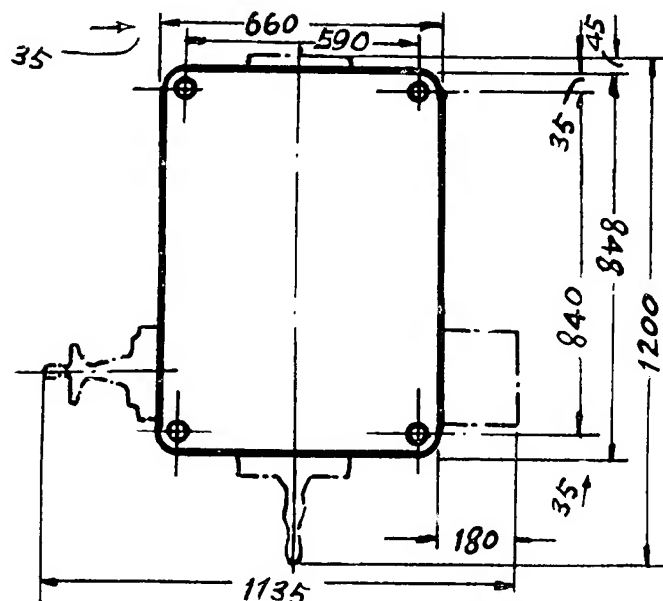
Speed . . . 1430 rpm.

for coolant pump: Power . . . 0.125 KW.

Speed . . . 2800 rpm.

Overall dimensions (L x W x H) 1200x1135x1450 mm.

Net weight 940 kg. approx.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

25X1



平面磨床

*Hydraulic Surface
Grinding Machine*
MODEL M7130

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

HYDRAULIC SURFACE GRINDING MACHINE

Model M7130

This machine is suitable for grinding plane surfaces of various machine parts (with the circular face of grinding wheel) held either on the table or electromagnetic chuck.

The machine is provided with three electric motors. All push-buttons are concentrated on the front side of machine.

The longitudinal travel of table is hydraulically actuated, whereas the cross feed of wheel head may be operated either hydraulically or manually.

The cross feed of wheel head may be set to operate continuously or intermittently. The amount of intermittent cross feed and the speed of continuous feed are controlled by a valve in the hydraulic system.

The vertical feed of the wheel head is accomplished by hand.

SPECIFICATION

1. *Workpiece:*

Max. dimension of workpiece

ground (L × W × H) 1000×300×400 mm.

2. *Table:*

Working surface of table

(L × W) 1000×300 mm.

Travel of table (hydraulic):

Min. 200 mm.

Max. 1175 mm.

Spindle axis to working surface of table:

Min. 126 mm.

Max. 575 mm.

3. *Wheel Head:*

Max. movement of wheel head:

Cross (hydraulic or manual) 350 mm.

Vertical (manual) 400 mm.

Diameter of grinding wheel:

Min. 250 mm.

Max. 350 mm.

Width of grinding wheel 40 mm.

4. *Machine mechanism:*

Wheel head spindle speed 1440 rpm.

Technical drawing of a mechanical part with dimensions. The drawing shows a cross-section of a component with a central vertical section and a horizontal base. Key dimensions include:

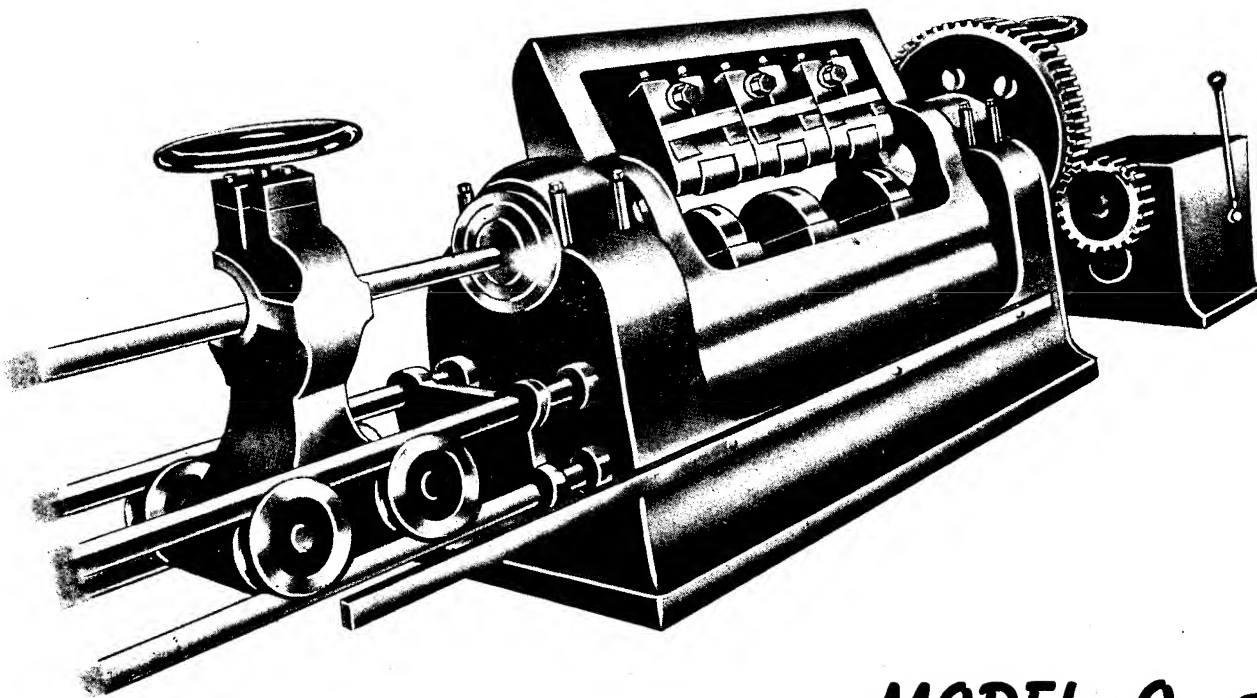
- Overall width: 3520
- Overall height: 1875
- Base width: 2090
- Base thickness: 35
- Central section width: 2020
- Central section height: 560
- Central section width: 130
- Central section height: 545
- Central section width: 1350
- Central section height: 600
- Central section width: 600
- Central section height: 488
- Central section width: 248
- Central section height: 525
- Central section width: 35
- Central section height: 35
- Central section width: 890
- Central section height: 2020
- Central section width: 3520
- Central section height: 1875

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STRAIGHTENING and 25X1 ***POLISHING MACHINE***



MODEL Q-88

矯 正 輥 光 機

25X1

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)
ER-LI-KOU, HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

STRAIGHTENING AND POLISHING MACHINE

MODEL Q - 88.

This machine is used for straightening and polishing all kinds of steel bars, shafts, and seamless steel pipes, except cold drawn bars for auto-machines and steel bars of lower elongation than 13%.

Work should be turned roughly before being polished; the same rule, however, does not apply to work which needs only straightening. Polishing and straightening is accompanied by passing work along axial direction between rollers rotating around the centre line of work.

The speed of straightening is controlled by means of a gear box. The friction between work and rollers on the frame of straightening mechanism actuates the axial feed of work. The rate of feed is adjusted by swivelling the rollers to the centre line of work, and the direction of feed can be reversed by reversing the rotation of frame of the straightening mechanism.

The machine is provided with guide trucks.

Diameter of workpiece :

| | |
|-------------------|--------|
| Minimum | 25 mm. |
| Maximum | 80 mm. |

| | |
|------------------------------------|----------|
| Max. length of workpiece | 7000 mm. |
|------------------------------------|----------|

No. of rollers on straightening mechanism:

| | |
|---------------------------------|---|
| Feed rollers | 2 |
| Straightening rollers | 4 |

Swivel of clamping rollers:

| | |
|-------------------|-----|
| Minimum | 15° |
| Maximum | 25° |

| | |
|--------------------------|---|
| Guiding trucks | 2 |
|--------------------------|---|

Diameter of workpiece clamped on guide truck:

| | |
|-------------------|--------|
| Minimum | 25 mm. |
| Maximum | 80 mm |

Speeds of straightening frame 85,120,170 rpm

Feed of workpiece per revolution of
straightening frame (angle α of
rollers $\approx 18^\circ$):

When dia. of workpiece is 25 mm. 20 mm.

When dia. of workpiece is 50 mm. 40 mm.

When dia. of workpiece is 80 mm. 65 mm.

When values of "d" and " α " are
varied, the rate of feed can be computed
by the following formula:-

$$S = 0.8 \pi d \cdot \tan \alpha \text{ mm/rev.}$$

In which: d = dia. of workpiece (in mm)

α = angle of roller frame

0.8 = Sliding coefficient of bar through rollers

No. of regular passages through rollers:

In straightening 1

In polishing not less than 3

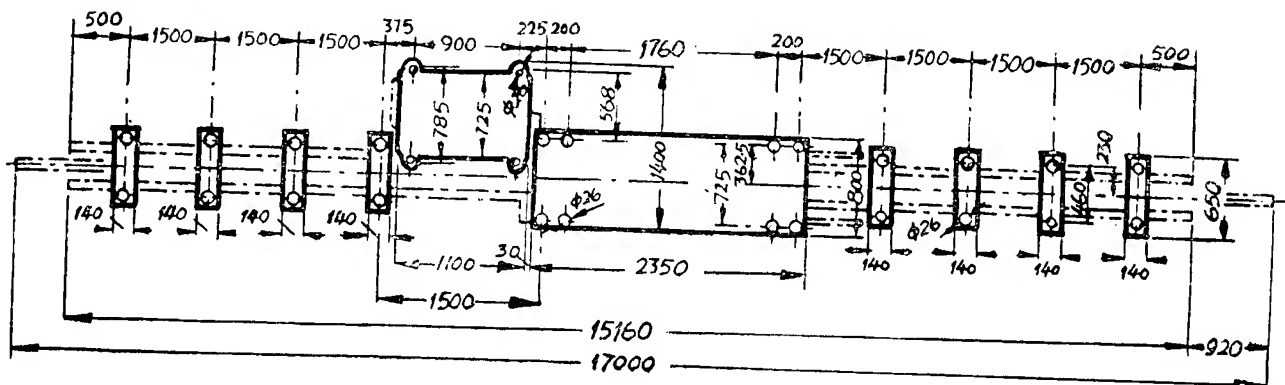
Motor: 3-phase, A.C.

Power 15.2 KW.

Speed 950 rpm.

Overall dimensions (L x W x H) . . . 17000x1400x1225 mm.

Net weight 6000 kg. approx.



N.B —For improvement of the machine, we reserve the
right to alter either the design or the specification.

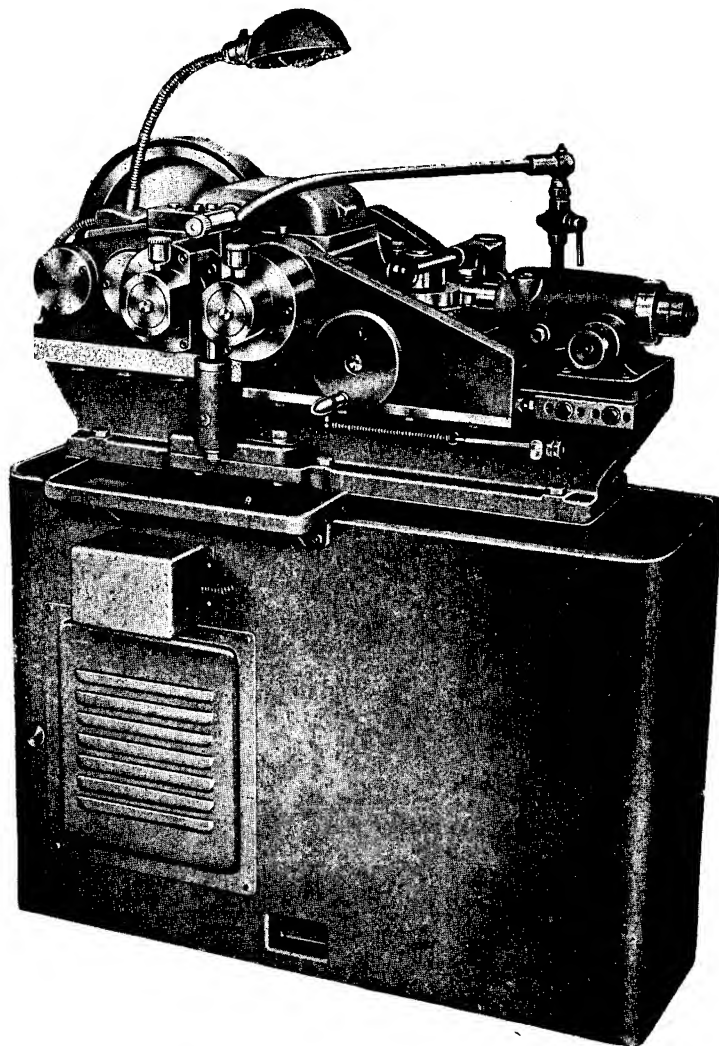
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Thread Rolling Machine

25X1

滾絲機



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

25X1

Universal Semi-automatic Thread Rolling Machine

25X1

Model

The.....Universal Semi-automatic Thread Rolling Machine is designed particularly for thread rolling of various machine component parts.

Threads are rolled through two rollers with thread cuts. On account of the radial pressure produced on approach of the rollers, the same thread cuts on the surface of the rollers are rolled onto the surface of the workpiece which is placed in special chucks and between rotating rollers. Instantaneous tangential push forces make the workpiece rotate, and threads similar to those on the rollers are then rolled onto the whole surface of the workpiece.

Roller speeds are adjusted through interchangeable gears. Spindle head feeds are effected through a cam and adjusted by means of interchangeable gears.

The machine operates in either semi-automatic or automatic cycles in conformity with the contour of the cam. Under the first instance, the feed movements of the spindle head are automatically stopped after the rolling operation is completed.

Individual motor drive is provided for the machine.

SPECIFICATIONS

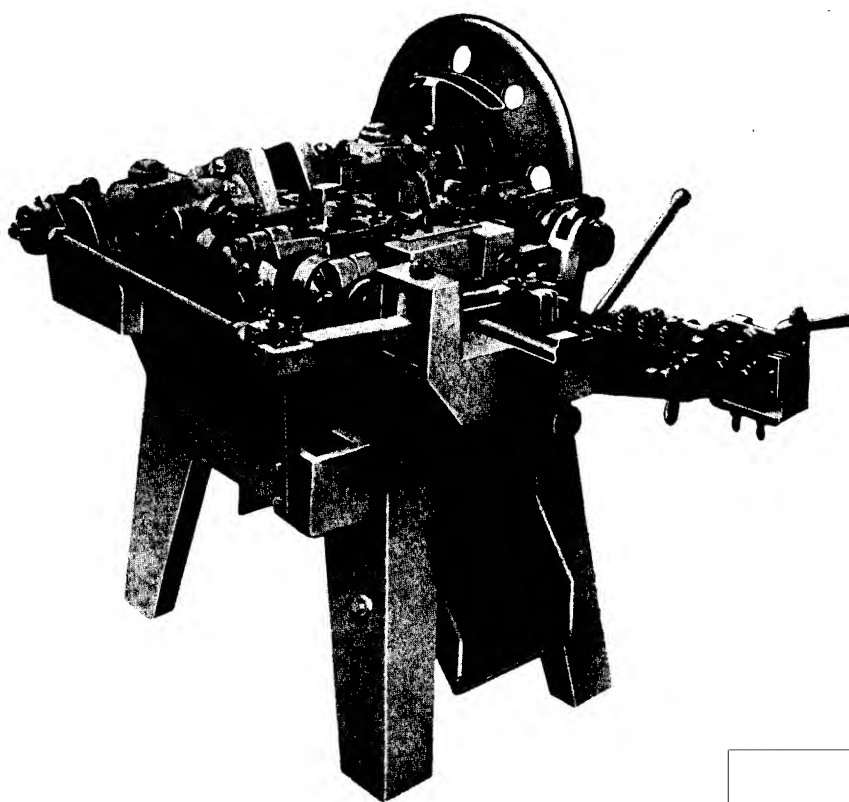
| | |
|---|-------------------------------|
| Distance, chuck face to center line of spindle | 220 mm |
| Distance between spindles, minimum and maximum | 90 - 150 mm |
| Diameter rolled, minimum and maximum | 6 - 33 mm |
| Maximum pitch of thread | 2.5 mm |
| Maximum length of thread | 40 mm |
| Diameter of rollers, minimum and maximum | 90 - 105 mm |
| Maximum travel of movable spindle head | 10 mm |
| Spindle speeds | 40; 60; 86; 125; 183; 260 rpm |
| Range of feed cam speed | 1.1 - 66.8 rpm |
| Range of feed, per revolution of workpiece | 0.005 - 0.15 mm |
| Drive, 3 phase, A.C. motor: | |
| Power | 3.2 KW |
| Speed | 1440 rpm |
| Overall dimension (length x width x height) | 1070 x 600 x 1070 mm |
| Net weight | approx. 625 kg |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

自動制釘機

25X1

AUTOMATIC NAIL MAKING MACHINE



25X1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

WIRE STRAIGHTENING:-

Wire is drawn from a wire coil, which is mounted on the wire stand. One of the chief features is its simple adaptability to wire coil of any diameter and tension. By simply moving the revolving board, the 4 struts of the frame can be automatically adjusted to any required diameter and tension. Pull out locking pin under the frame to enable the latter to bend vertically down; put on the coil, raise up frame, and lock it again with the pin. This will eliminate to a large extent entanglement of wire resulting from quick pullings. Should wire become entangled during drawing, move lever to separate roller and cam (attached to the end of cam shaft) to stop entanglement.

By turning crank shaft in arrow direction, the wire gets straightened as it passes through a train of 8 rollers.

The machine is provided with nail length adjusting bolt.

WIRE FEEDING:-

The wire is held by grip dies and passes through wire guide to the dies chamber containing a movable and a stationary dies. The movable die is capable of sliding left and right by means of the cam to give to wire a proper tension, whereas, the stationary die is equipped with adjusting bolts. Movable die should contact stationary die when the former is being tightened by bolt at the highest strength. Dies should be adjusted according to the diameter of wire, and the centre of dies in alignment with that of the wire; and, for this purpose, a bolt is fitted.

WIRE CUTTING:-

A motor is used to drive through V-belt the crank shaft, which, in turn, actuates the header back and forth through the connecting rod, enabling the punch of the header to strike the wire top forming the nail head. The punch is fastened on header by two bolts, adjustable by special nut. The feeding device forwards wire at regulated length, while two cutters, in line with the wire, point the finished nail, cut it off at right angle, and eject same at each revolution of crank shaft. At the same instant, the shearing device shears off the surplus metal, and the pressing tongue forces the nail out of the machine.

MAJOR FEATURES:-

1. Number of rollers increased from 5 to 8 for better straightening of wire.
2. Shearing device and pressing tongue ensure high efficiency in the production of perfect nails.
3. Operation is simple and easy even for beginners.
4. A safety pin fitted between fly wheel and crank shaft automatically breaks up the wire and instantaneously stops the machine.

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| Type | Length | Wire | Power required | Speed rpm. | Capacity pcs./min. | Weight (approx.) | Overall dimension (L x W x H) | Shipping Measurements |
|------|-----------|------------|---|------------|-----------------------|---------------------------------|-------------------------------------|---------------------------|
| DC 2 | 3/4"-2" | BWG. 12-17 | 3 HP. (380 V. 3-phase Motor driven) | 1440 | 400 | Net. 800 kg. Gross 850 kg. | 1600 x 1000 x 1100 mm. | 1650 x 1050 x 1150 mm. |
| DC 4 | 2 1/2"-4" | BWG. 8-11 | 5 HP. (Line shaft driven) | 1440 | 300 | Net. 2000 kg. Gross 2100 kg. | 2000 x 1700 x 1200 mm. | 2050 x 1750 x 1250 mm. |

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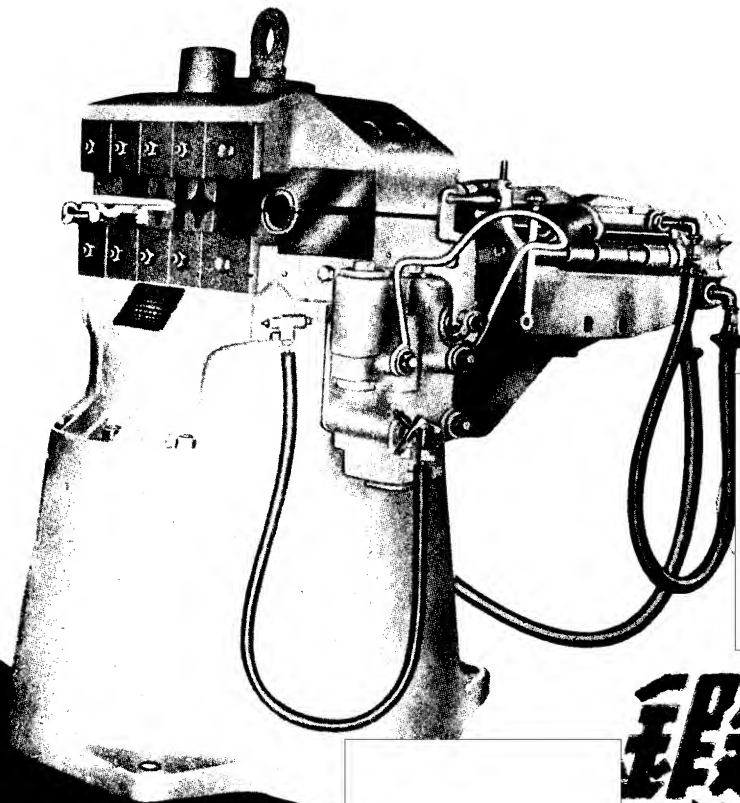
CANTON OFFICE: 25 Tai Ping Road South
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25X1

DRILL BIT

FORGING MACHINE

MODEL 421-90



鍛鑽機

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

DRILL BIT FORGING MACHINE

MODEL 42I-90

The machine is operated by compressed air, for hot forging of round and hexagonal steel bars. The machine is capable of various operations as: hammer forging (horizontal forging of drill bits), impact forging (piercing and enlarging of centre hole), cutting (when the upper forging table descends, the cutting edge cuts off the drill steel), press forging (when the upper forging table descends, it also sharpens the drill bit), etc.

The machine is provided with necessary dies, which can be used for forging drill steel into various forms of drill bits and shanks, as well as for repairing worn-out drill bits.

The machine can be used also in machine-shops. With special forging dies, it can be used for forging different kinds of bolts and rivets from steel bars, (size of bolts not bigger than M 30). We do not supply this kind of forging dies, but they are available if required.

For forging shanks and drill bits, the machine is supplied with the following accessories:—

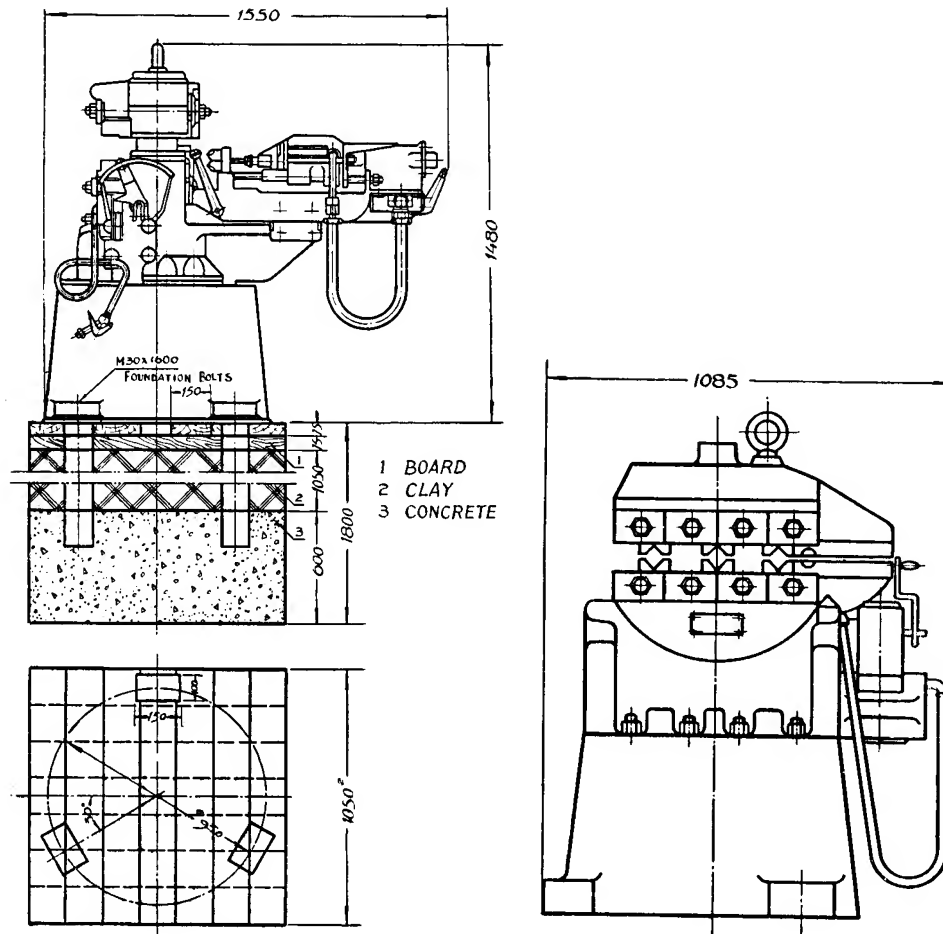
- 1) One set of forging dies for forging the collar of the drill steel.
- 2) One set of coining punch for forging the collar of the drill steel.
- 3) The coining punch for forging the drill head.
- 4) Die for reconditioning of the shank.
- 5) Needle for piercing and enlarging the centre hole of the drill.

SPECIFICATION

| | | |
|--------------------------|-----------|---------------|
| Dimension of drill steel | | 22 x 25.4 mm. |
| Dia. of drill bit | | 90 mm. |
| Max. dia. of steel bar | | 50 mm. |

Capacity:

| | |
|---|--------------------------|
| Forging of new drills | 60 pcs/hr. |
| Reconditioning of drills | 60—100 pcs/hr. |
| Forging of shanks | 60—80 pcs/hr. |
| Dia. of inlet air pipe | 32 mm. (1¼") |
| Air pressure | 5—7 kg./cm ² |
| Max. forging and cutting capacity | 10,300—14,200 kg. |
| Air consumption | 3.4 m ³ /min. |
| Movement of verticle table | 90 mm. |
| Overall dimension (L x W x H) | 1550 x 1085 x 1480 mm. |
| Net weight of machine | 2740 kg. |



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

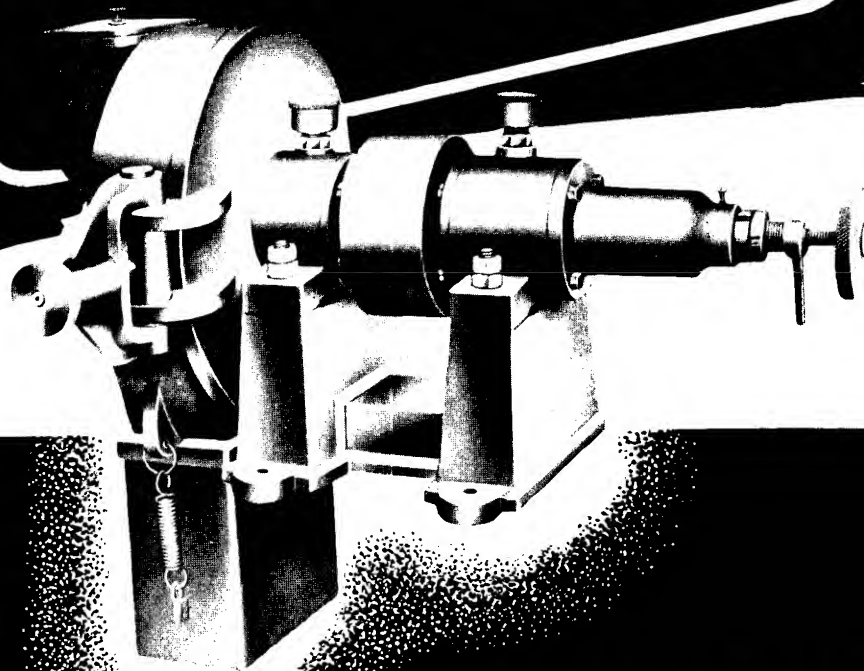
16/3/67

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DISC DISINTEGRATOR

MODEL 822-175



圓盤粉碎機

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

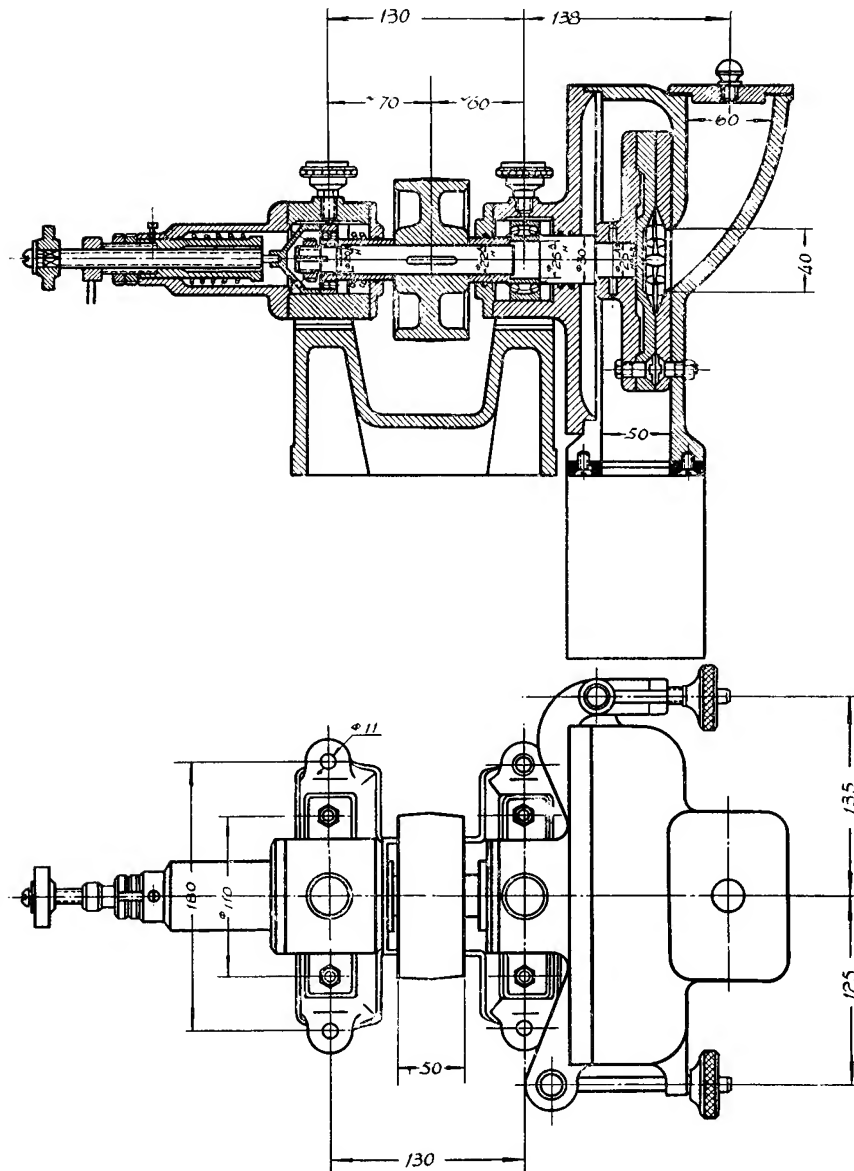
DISC DISINTEGRATOR

Model 822—175

This disintegrator is suitable for fine grinding of various kinds of ores in the laboratories. The main parts of the machine are the two manganese steel discs. Material is fed through the central part of the fixed disc and then by centrifugal force resulted from the high speed revolution of the other disc, it is thrown outward, crushed, and discharged from the space between the discs. The fineness of grinding is controlled by means of the adjustable tension spring. The finer is the grinding, the smaller will be the output and vice versa.

SPECIFICATION

| | |
|---|---------------------|
| Diameter of working disc | 175 mm. |
| Max. size of material to be fed | 3 mm. |
| Max. delivery size of material crushed | 0-0.15 mm. |
| Output (when delivery size of crushed material is 0.15 mm) | 20 kg./hr. |
| Disc speed | 400 rpm. |
| Drive belt pulley (Dia. x Width) | 110 x 50 mm. |
| Motor | 0.5 KW. |
| Overall dimension (L x W x H) | 510 x 300 x 400 mm. |
| Net weight (excluding motor) | 70 kg. |



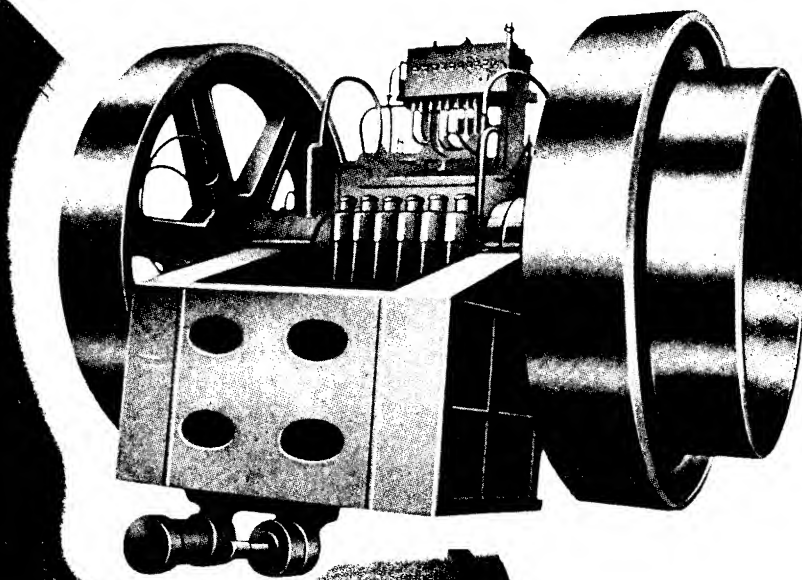
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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JAW ROLLER CRUSHER

顎 輥 式 破 碎 机



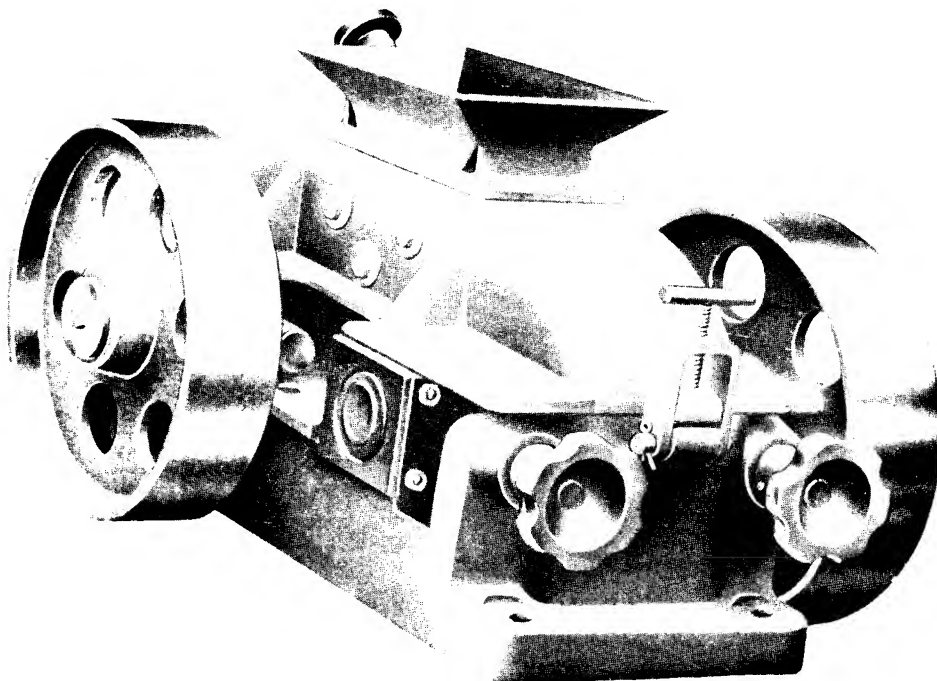
中國機械進口公司

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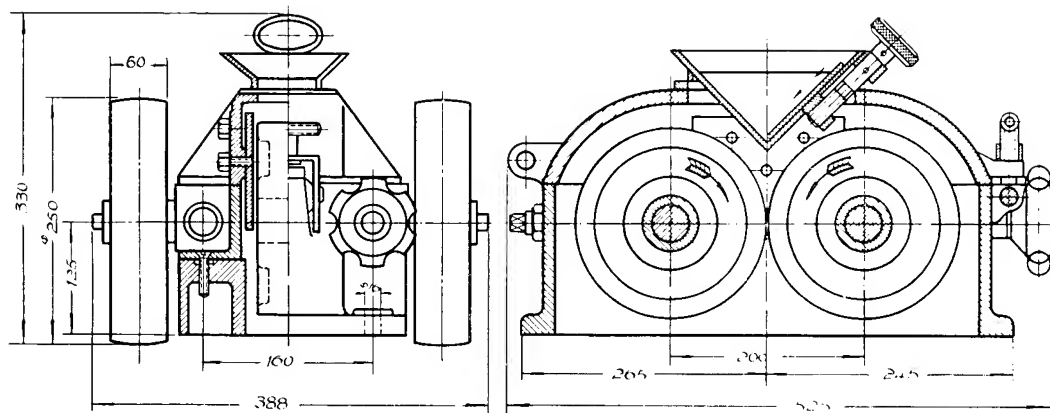
(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, TAIPEI, CHINA

CABLE ADDRESS: "MACHIMPORT"



Model 422-200×75



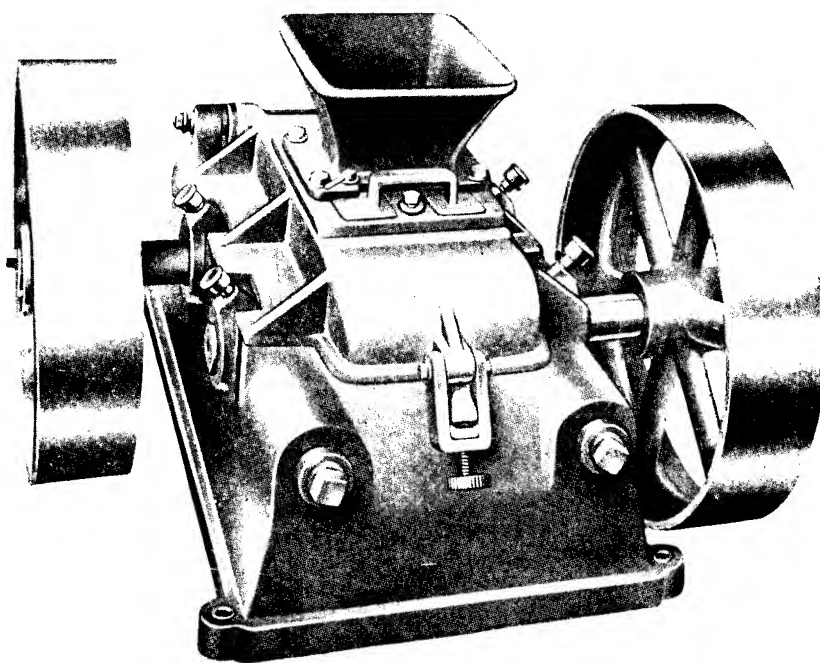
ROLLER CRUSHER (200 × 75 mm.)**Model 422 — 200 × 75**

This crusher is used in laboratories for fine crushing of ores, refractory materials, and fluorspar.

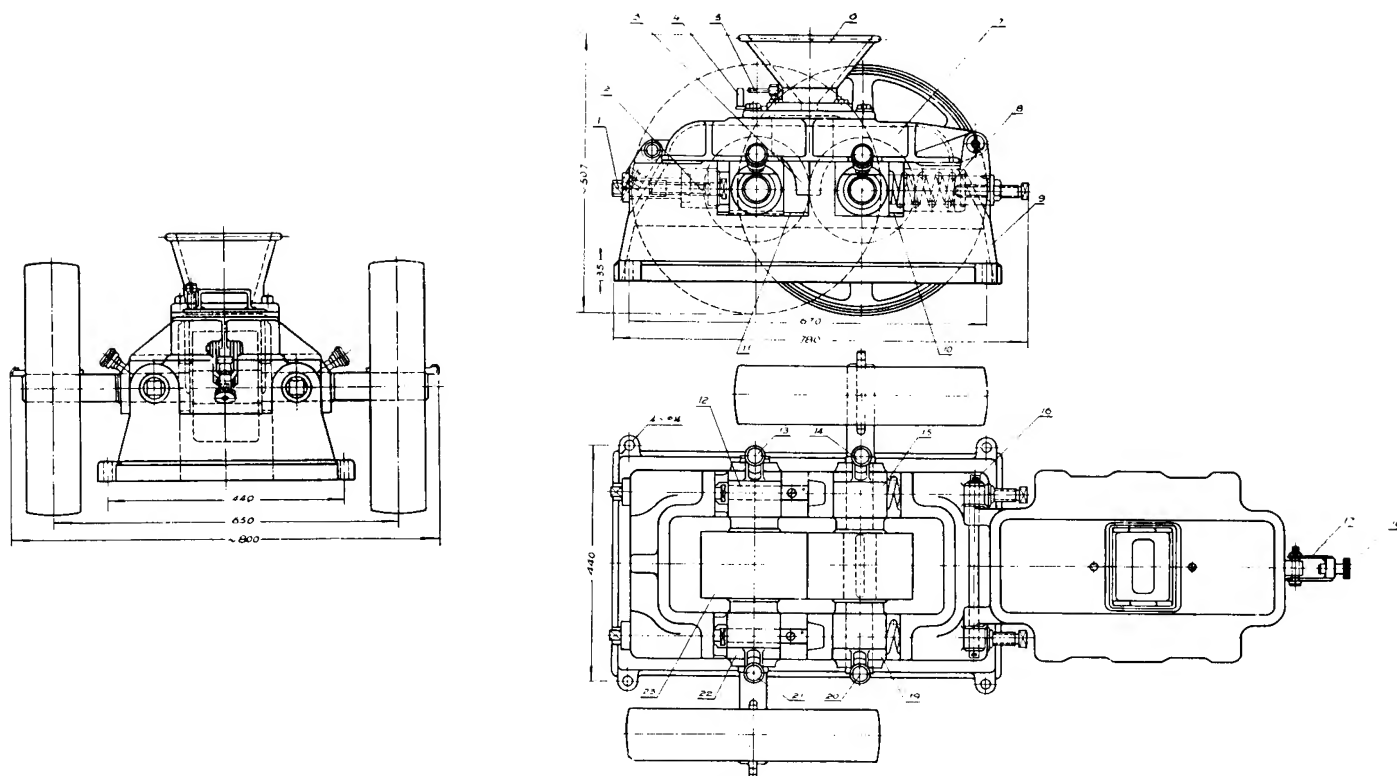
The body of the crusher is made of globular cast iron, and is very durable. The fineness of crushing is adjustable as required. The machine is light and can be easily handled. It has a suitable working capacity and is highly efficient.

SPECIFICATION

| | | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|---------------------|
| Type | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Roller type |
| Crushing capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 860 kg./hr. |
| Material to be crushed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Max. 10 mm. |
| Material after being crushed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Max. 4 mm. |
| Roller speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 400 rpm. |
| Belt pulley | ... | ... | ... | ... | ... | ... | ... | ... | ... | ϕ 250 × 60 mm. | |
| Motor: Power | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1420 rpm. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 525 × 388 × 300 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 101 kg. |



Model 422—200×125



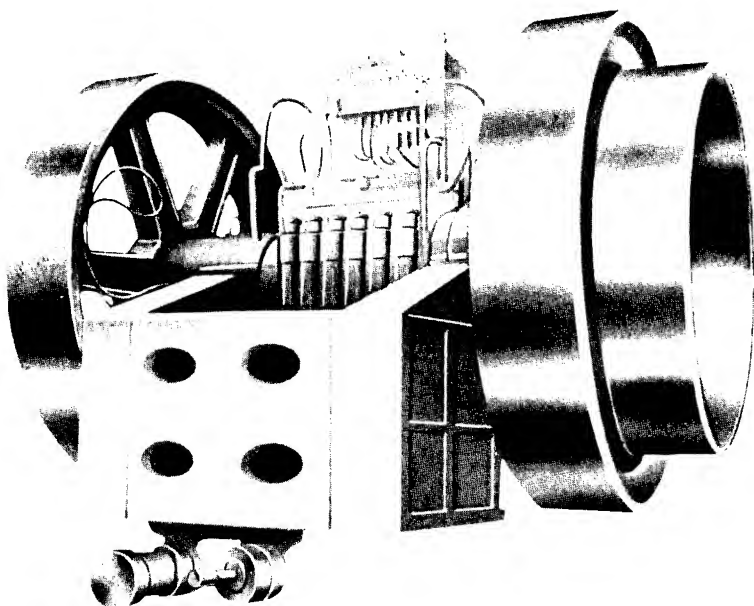
ROLLER CRUSHER (200 × 125 mm.)**Model 422—200 × 125**

This machine crushes uniformly materials of medium hardness such as ores, coal, coke, etc., in sizes regulated through adjustment of space between the rollers. It is also suitable for laboratory purposes.

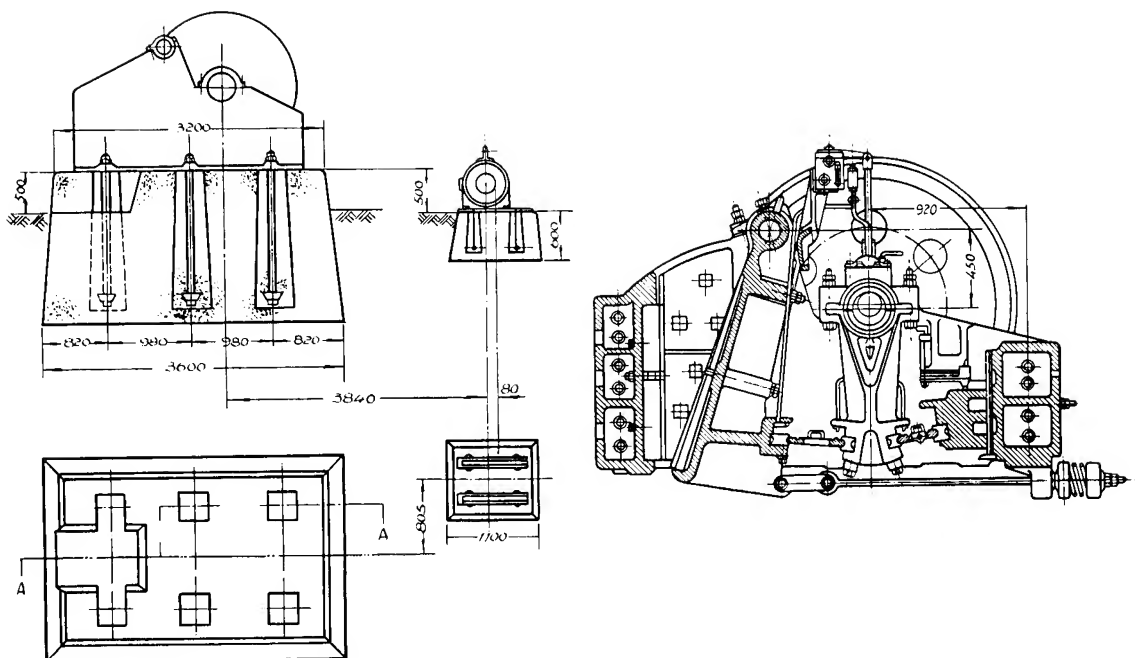
Two high carbon steel rollers, revolving towards each other, reduce whatever material that comes down from the funnel installed atop the machine cover.

SPECIFICATION

| | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|---------------------|
| Crushing capacity | ... | ... | ... | ... | ... | ... | 1500 kg./hr. |
| Size of rollers | ... | ... | ... | ... | ... | ... | φ 200 × 125 mm. |
| Material to be crushed | ... | ... | ... | ... | ... | ... | Max. 10 mm. |
| Material after being crushed | ... | ... | ... | ... | ... | ... | Max. 4 mm. |
| Roller speed | ... | ... | ... | ... | ... | ... | 300 rpm. |
| Belt pulley | ... | ... | ... | ... | ... | ... | φ 460 × 105 mm. |
| Motor | ... | ... | ... | ... | ... | ... | 2.8 KW. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | 780 × 800 × 507 mm. |
| Weight including motor | ... | ... | ... | ... | ... | ... | 520 kg. |



Model 111—750×450

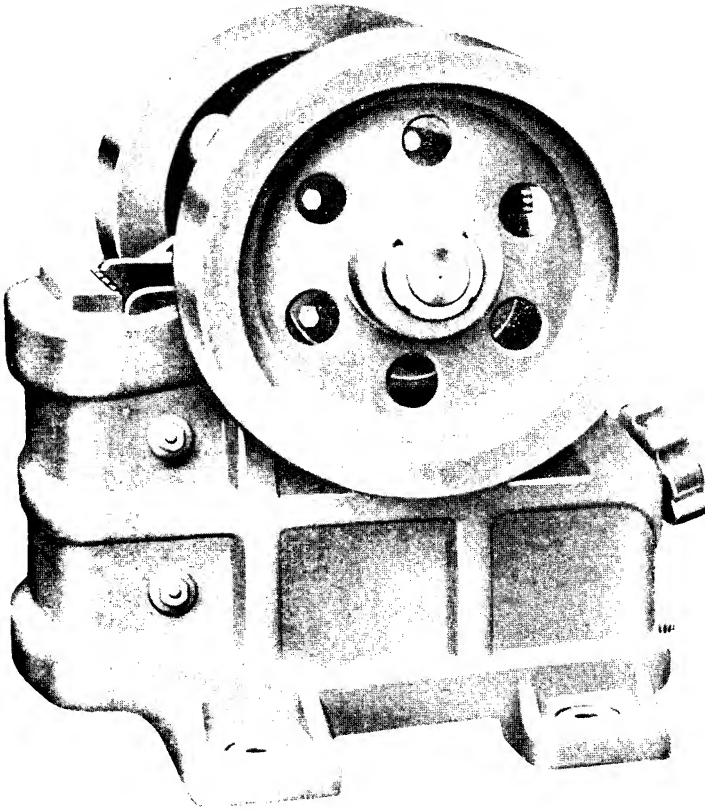


JAW CRUSHER (750×450 mm.)**Model 111—750×450**

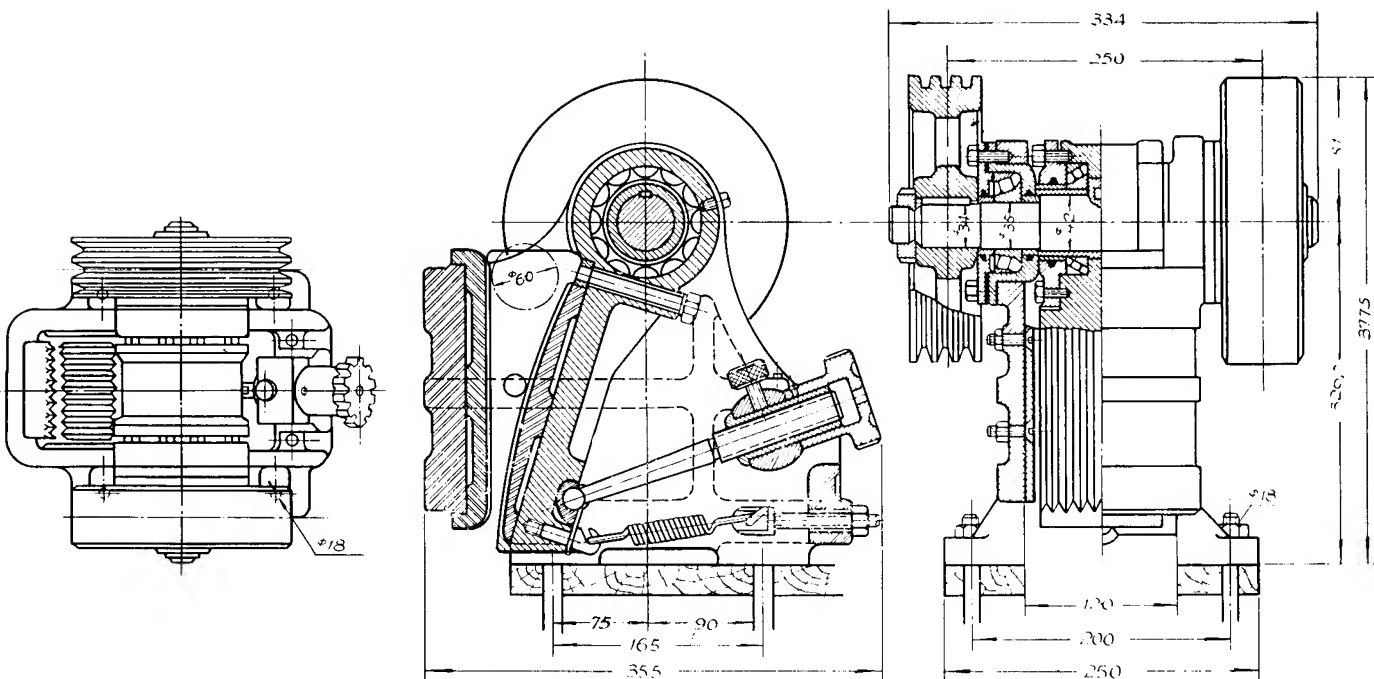
This crusher is used for coarse crushing of minerals. The principal working parts are two crushing jaw plates, one of which is fixed while the other is movable. The upper portion of the movable jaw is locked and the lower portion swings. A regulating device is provided for regulating the width of the discharge opening as required. There is one flywheel on each side of the crusher; one of them serves also as a belt pulley. The movable jaw is drawn back by action of spring attached to its lower part. On both sides of the jaw, plates are provided to protect the frame of crusher.

SPECIFICATION

| | | | | | | | | |
|-----------------------------------|-----|------|-----|------|-----|------|-----|-------------------|
| Feed opening | ... | ... | ... | ... | ... | ... | ... | 750 × 450 mm. |
| Minerals to be crushed | ... | ... | ... | ... | ... | ... | ... | Max. 315 mm. |
| Width of discharge opening | ... | ... | ... | ... | ... | ... | ... | 63—100 mm. |
| Capacity: | | | | | | | | |
| When discharge opening is 63 mm. | ... | ... | ... | ... | ... | ... | ... | 35 tons/hr. |
| When discharge opening is 100 mm. | ... | ... | ... | ... | ... | ... | ... | 45 tons/hr. |
| Main shaft speed | ... | ... | ... | ... | ... | ... | ... | 250 rpm. |
| Driving pulley (dia. × W) | ... | ... | ... | ... | ... | ... | ... | 1400 × 300 mm. |
| Motor: | | | | | | | | |
| Power | ... | ... | ... | ... | ... | ... | ... | 32 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | 980 rpm. |
| Overall dimension (L × W × H) | ... | 2750 | × | 2660 | × | 1905 | mm. | |
| Net weight | ... | ... | ... | ... | ... | ... | ... | 15000 kg. approx. |



Model 112--100 x 60



JAW CRUSHER (100 × 60 mm.)**Model 112 — 100 × 60**

This Jaw Crusher is used in laboratories for coarse crushing of ores, refractory materials and fluorspar, and is mounted on a rigid working platform.

The crusher is eccentric driven, lower end pivot type. The discharge opening is adjustable. All running parts are equipped with thrust roller bearings. Three pieces of A type V-belts are used for transmission. The flywheel is mounted at the other end of the main shaft.

SPECIFICATION

| | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------|
| Feed opening | ... | ... | ... | ... | ... | ... | ... | 100 × 60 mm. |
| Materials to be crushed | ... | ... | ... | ... | ... | ... | ... | Max. 60 mm. |
| Width of discharge opening | ... | ... | ... | ... | ... | ... | ... | 6-10 mm. |
| Capacity: | | | | | | | | |
| When discharge opening | | | | | | | | |
| is 6 mm. | ... | ... | ... | ... | ... | ... | ... | 230 kg./hr. |
| When discharge opening | | | | | | | | |
| is 10 mm. | ... | ... | ... | ... | ... | ... | ... | 400 kg./hr. |
| Main shaft speed | ... | ... | ... | ... | ... | ... | ... | 500-650rpm. |
| Pulley diameter | ... | ... | ... | ... | ... | ... | ... | 217 mm. |
| Motor: Power | ... | ... | ... | ... | ... | ... | ... | 1.4 KW. |
| Speed | ... | ... | ... | ... | ... | ... | ... | 1450 rpm. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | 335 × 334 × 377.5 mm. |
| Net weight (excluding motor) | ... | ... | ... | ... | ... | ... | ... | 125 kg. |
| Motor weight | ... | ... | ... | ... | ... | ... | ... | 40 kg. |

N.B.—*For improvement of the machine, we reserve the
right to alter either the design or the specification.*

B R A N C H E S

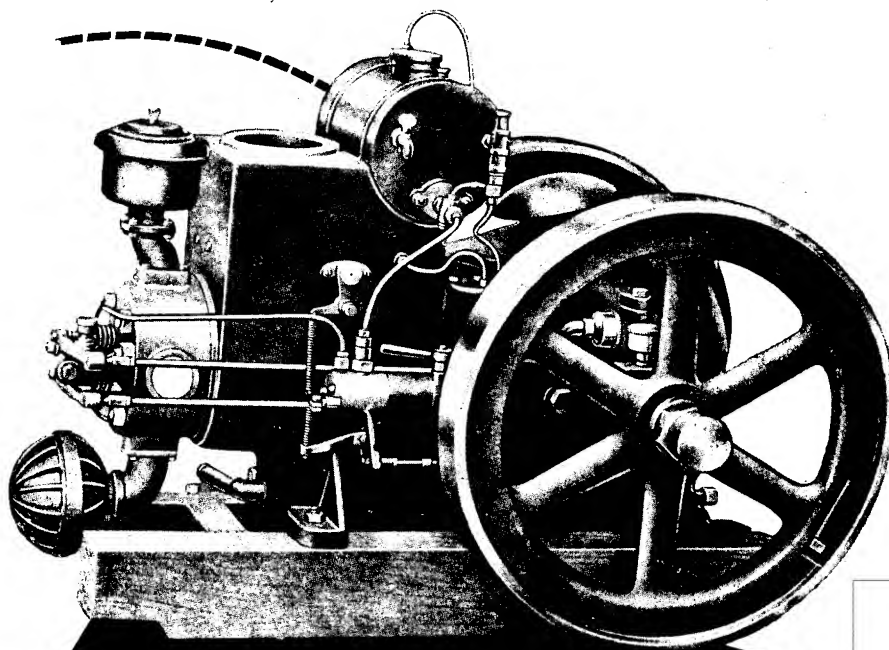
TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

DIESEL ENGINE 5 H.P.

五匹
柴油機



中國機械進口公司

CHINA

25X1

25X1

5 H.P. DIESEL ENGINE

This 5 H.P. Diesel Engine is simple and light in construction. It is portable and is especially suitable for generation of power for farm irrigation, small lighting unit, cotton-gin, oil press, sugarcane press, grain mill, etc. It is powerful and steady, easy to start and simple in maintenance. Only a short period is required to master its operation.

SPECIFICATION

| | | | |
|--------------------------------------|------|------|---|
| Type | .... | .... | Horizontal, single cylinder, four stroke, pre-combustion chamber. |
| Rated Power | .... | .... | 5 H.P. |
| Maximum Power | .... | .... | 5½ HP. |
| Cylinder bore | .... | .... | 110 mm. |
| Stroke | .... | .... | 170 mm. |
| Piston displacement | .... | .... | 1.62 litres |
| Rated speed | .... | .... | 700 rpm. |
| Compression ratio | .... | .... | 17.5 : 1 |
| Speed regulation | .... | .... | 4% |
| Belt pulley : | | | |
| Diameter | .... | .... | 250 mm. |
| Width | .... | .... | 100 mm. |
| Lubrication | .... | .... | Pressure lubrication and grease |
| Fuel consumption | .... | .... | 210 - 232 gr./H.P.hr. |
| Average temperature of cooling water | .... | .... | 100°C. |
| Starting | .... | .... | Manual and paper ignition |

Overall dimension (LxWxH) 1125x830x780 mm.

Net weight 380 kg.

Engine Accessories:

Socket wrench 1 pce.

Flywheel nut wrench 1 „

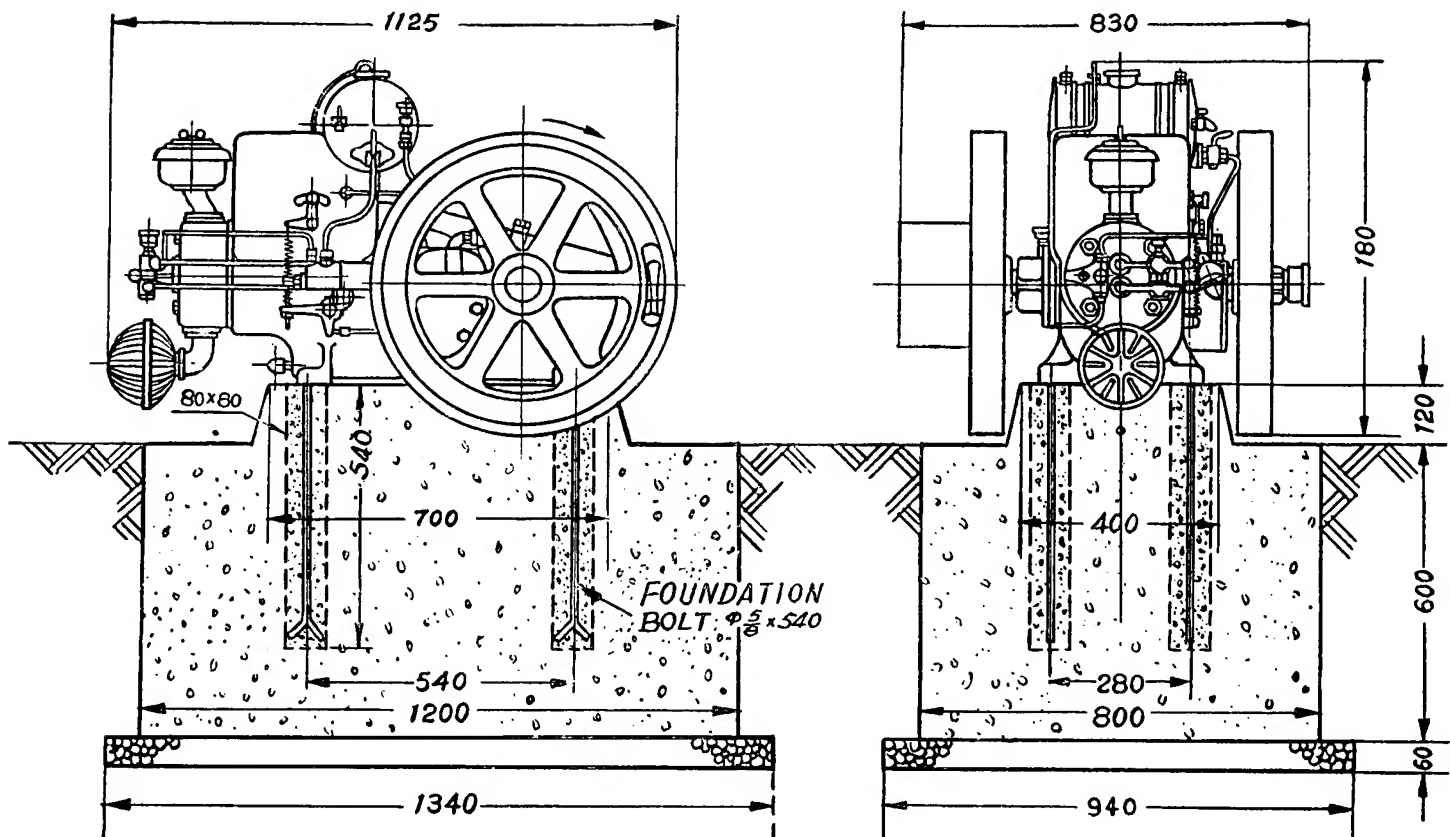
22-27 double wrench 1 „

32 open end wrench 1 „

8" Monkey wrench 1 „

6" Screw driver 1 „

Piston ring 1 „

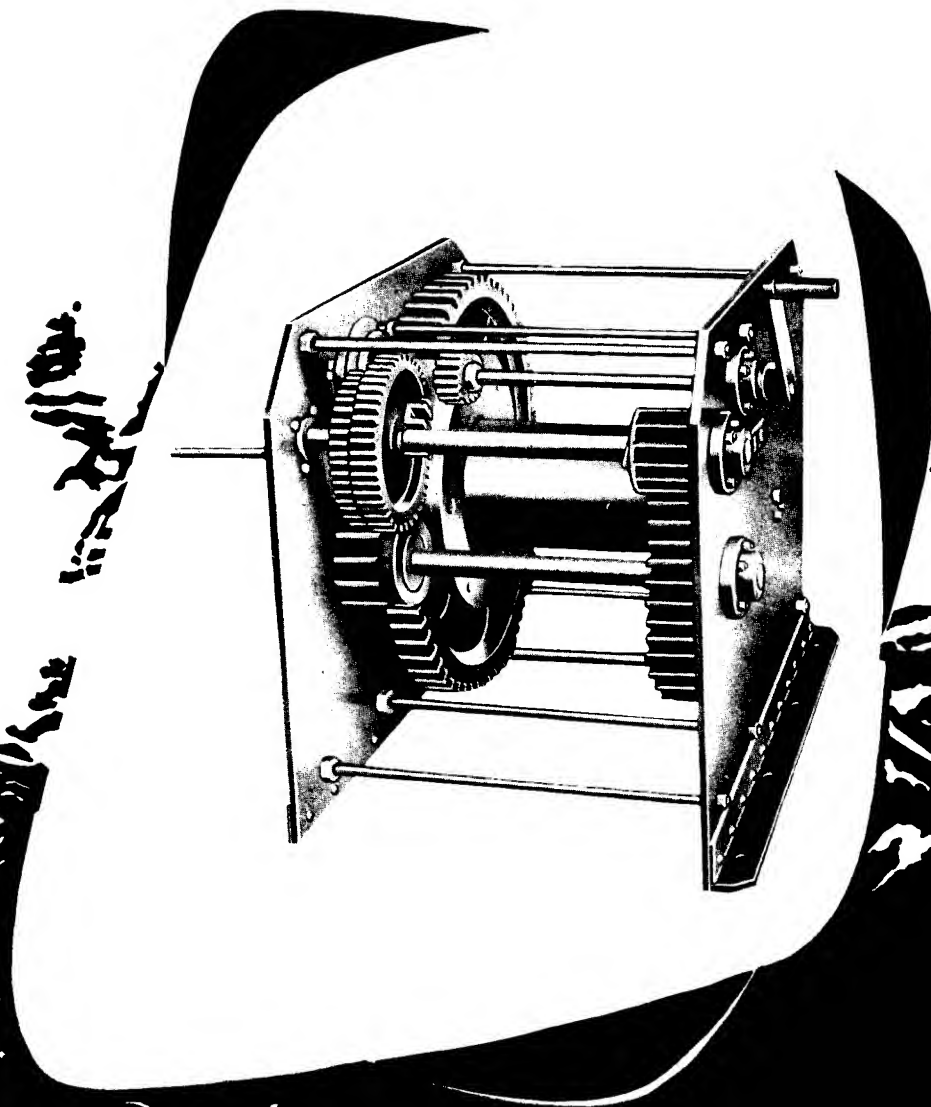


N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.



BRANCHES

| | |
|-------------------------|---|
| TIENTSIN OFFICE: | 171 Chien Shien Road (Ho Si District) Cable Address: MACHIMPORT Tientsin |
| SHANGHAI OFFICE: | 27 Chung Shan Road E I Cable Address: MACHIMPORT Shanghai |
| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |



手搖捲揚机

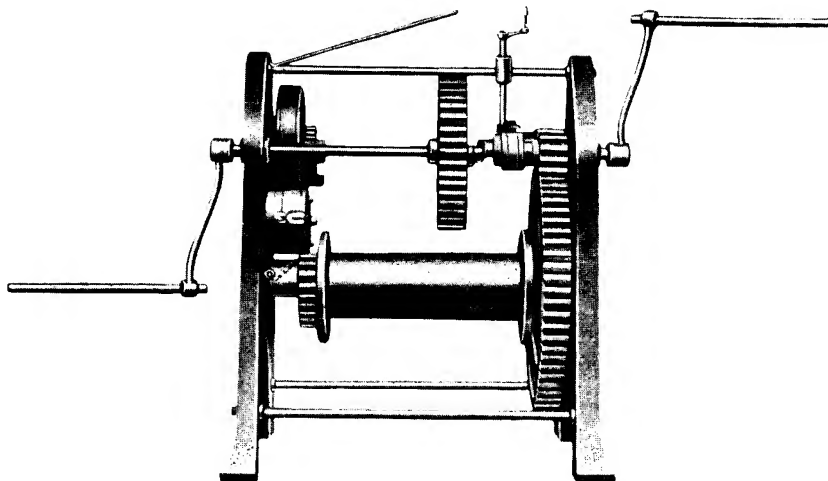
HAND OPERATED WINCH

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

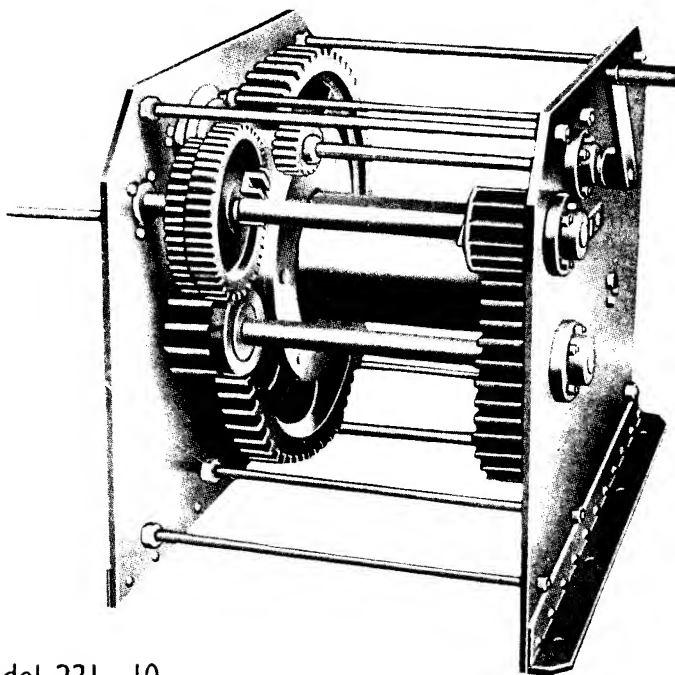
25X1

25X1



Model 221—3

3-TON HAND OPERATED WINCH



Model 221—10

10-TON HAND OPERATED WINCH

3-TON HAND OPERATED WINCH

Model 221—3

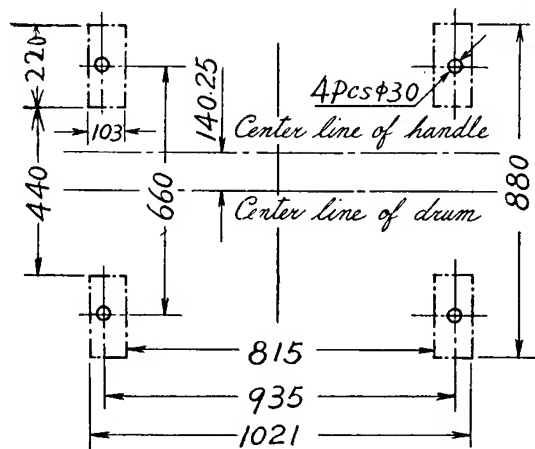
This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

SPECIFICATION

| | | | | | | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|
| S.L.P. capacity: Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3000 | kg. |
| High speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 800 | kg. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 200 | mm. |
| Dia. of flange | ... | ... | ... | ... | ... | ... | ... | ... | ... | 360 | mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 574 | mm. |
| Height of drum shaft centre line | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| above ground | ... | ... | ... | ... | ... | ... | ... | ... | ... | 457 | mm. |
| Height of handle centre line above | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| ground | ... | ... | ... | ... | ... | ... | ... | ... | ... | 862 | mm. |
| Handle length | ... | ... | ... | ... | ... | ... | ... | ... | ... | 400 | mm. |
| Speed ratio: | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 22.1 | ... |
| High speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 6.1 | ... |
| Steel wire rope: | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16 | mm. |
| Length... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 | m. |
| Max. breaking strength | ... | ... | ... | ... | ... | ... | ... | ... | ... | 13,100 | kg. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2120 × 1010 × 1290 | mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | 660 | kg. |



10-TON HAND OPERATED WINCH

Model 221—10

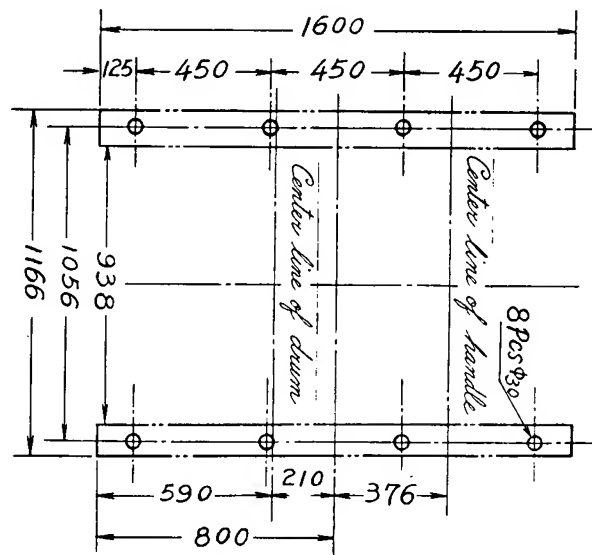
This Winch is of the single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

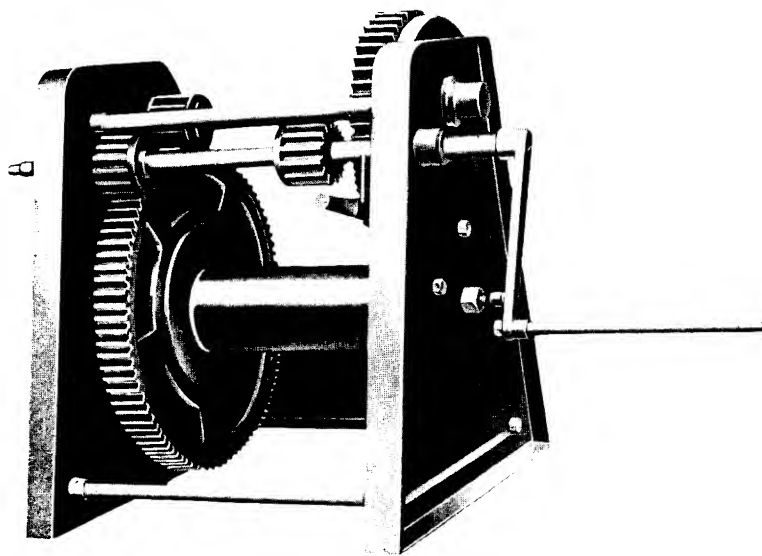
The Winch is provided with a sensitive safety brake device, operated by the pressure exerted by the load.

The Winch is supplied with eight 1" foundation bolts, suitable for installing in any fixed place. Steel wire rope is not included with the Winch.

SPECIFICATION

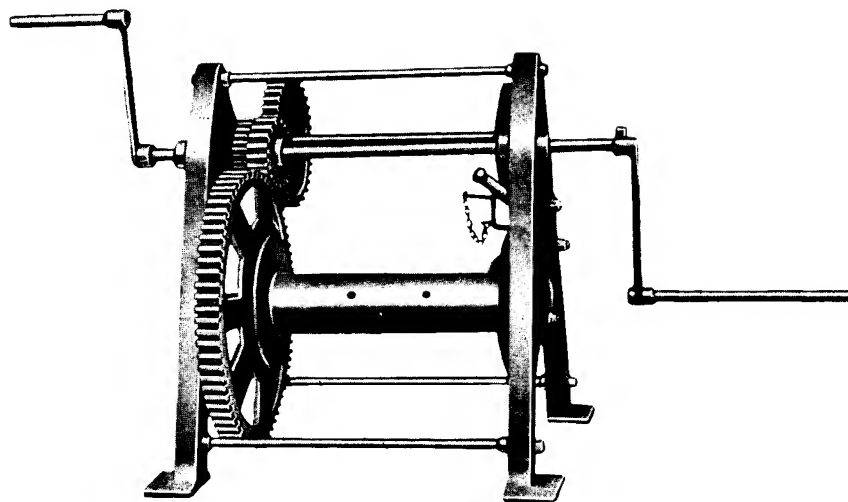
| | | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| S.L.P. capacity: Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 10 ton |
| High speed | ... | ... | ... | ... | ... | ... | ... | ... | 5 ton |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 350 mm. |
| Dia. of flange | ... | ... | ... | ... | ... | ... | ... | ... | 550 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | 720 mm. |
| Height of drum shaft centre line | | | | | | | | | |
| above ground | ... | ... | ... | ... | ... | ... | ... | ... | 610 mm. |
| Height of handle centre line | | | | | | | | | |
| above ground | ... | ... | ... | ... | ... | ... | ... | ... | 1055 mm. |
| Length of handle | ... | ... | ... | ... | ... | ... | ... | ... | 400 mm. |
| Speed ratio: Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 68.88 |
| High speed | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 34.44 |
| Steel wire rope:— | | | | | | | | | |
| Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 28 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | 100 m. |
| Max. breaking strength | ... | ... | ... | ... | ... | ... | ... | ... | 37700 kg. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | 2190 × 1600 × 1480 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | 1400 kg. |





Model 221—5

5-TON HAND OPERATED WINCH



Model 221—1

1-TON HAND OPERATED WINCH

5-TON HAND OPERATED WINCH

Model 22I—5

This Winch is of single drum type and is hand operated.

The Winch is provided with a hand-operated band brake and a ratchet wheel. Steel wire rope is not included with the machine.

SPECIFICATION

| | | | | | | | | | | | |
|----------------------------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|
| S.L.P. capacity: | Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 5000 | kg. |
| | High speed | ... | ... | ... | ... | ... | ... | ... | ... | 1400 | kg. |
| Drum: | Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 230 | mm. |
| | Dia. of flange | ... | ... | ... | ... | ... | ... | ... | ... | 490 | mm. |
| | Width | ... | ... | ... | ... | ... | ... | ... | ... | 692 | mm. |
| Handle length | ... | ... | ... | ... | ... | ... | ... | ... | ... | 470½ | mm. |
| Speed ratio: | Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 22.86 | |
| | High speed | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 6.46 | |
| Steel wire rope: | Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 12—20 | mm. |
| | Length | ... | ... | ... | ... | ... | ... | ... | ... | 200—300 | m. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2810 × 1230 × 1450 | mm. |
| Height of drum shaft centre line | above ground | ... | ... | ... | ... | ... | ... | ... | ... | 510 | mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1100 | kg. |

1-TON HAND OPERATED WINCH

Model 22I—I

This Winch is of single drum type. Owing to different reduction gear ratios, the drum is capable of two speeds.

The Winch is provided with a hand-operated band brake and a ratchet wheel, and is very handy and safe. It is portable and can be installed easily.

The Winch is provided with four foundation bolts, suitable for installation at any fixed place. Steel wire rope is not included with the machine.

SPECIFICATION

| | | | | | | | | | | | |
|-------------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|-----|
| S. L. P. capacity: | | | | | | | | | | | |
| | Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 1000 | kg. |
| | High speed | ... | ... | ... | ... | ... | ... | ... | ... | 400 | kg. |
| Drum: | | | | | | | | | | | |
| | Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 150 | mm. |
| | Diameter of flange | ... | ... | ... | ... | ... | ... | ... | ... | 340 | mm. |
| | Width | ... | ... | ... | ... | ... | ... | ... | ... | 580 | mm. |
| Radius of crank handle | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 | mm. |
| Speed ratio: | | | | | | | | | | | |
| | Slow speed | ... | ... | ... | ... | ... | ... | ... | ... | 13.2 : 1 | |
| | High speed | ... | ... | ... | ... | ... | ... | ... | ... | 5.4 : 1 | |
| Steel wire rope: | | | | | | | | | | | |
| | Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 6 × 9.1 | mm. |
| | Length | ... | ... | ... | ... | ... | ... | ... | ... | 200 | m. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2280 × 940 × 1140 | mm. |
| Weight... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 | kg. |

N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*



B R A N C H E S

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

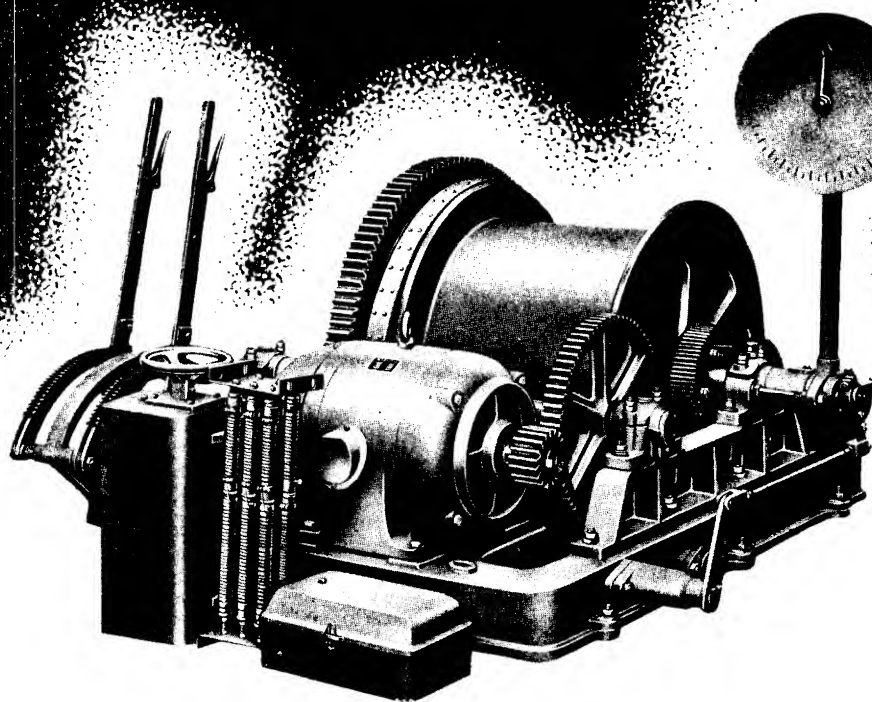
SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton



單筒捲揚機

SINGLE DRUM HOISTING MACHINE



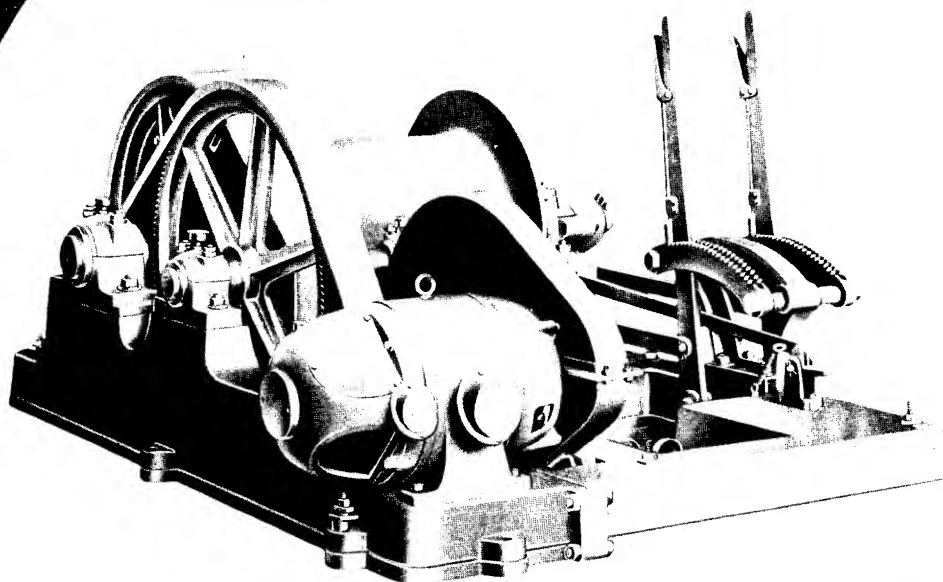
中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

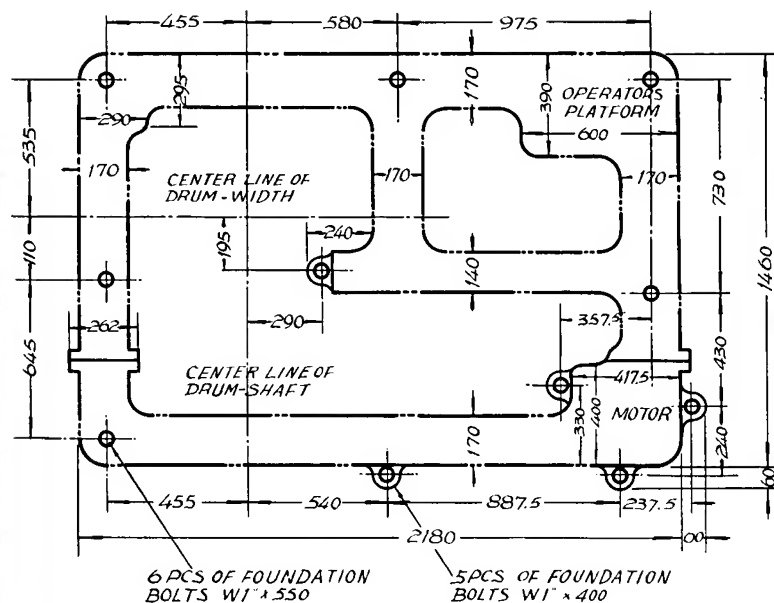
ER-LI-KOW HSI-CHIAO, PEKING, CHINA
CABLE ADDRESS: "MACHIMPORT" PEKING

25X1

Model 222-1500



10 H.P.



SINGLE DRUM HOISTING MACHINE (10 H.P.)

Model 222—1500

This Hoisting Machine is of the single drum type, main shaft is driven by an electric motor through three stage reduction gearing. The drum is loose fitted on the main shaft, and through couplement by means of a hand operated hard wood conical friction clutch with the transmission gears, it revolves and lifts the load,

The machine is equipped with hand-operated band brake and foot-operated ratchet wheel to control the hoisting work.

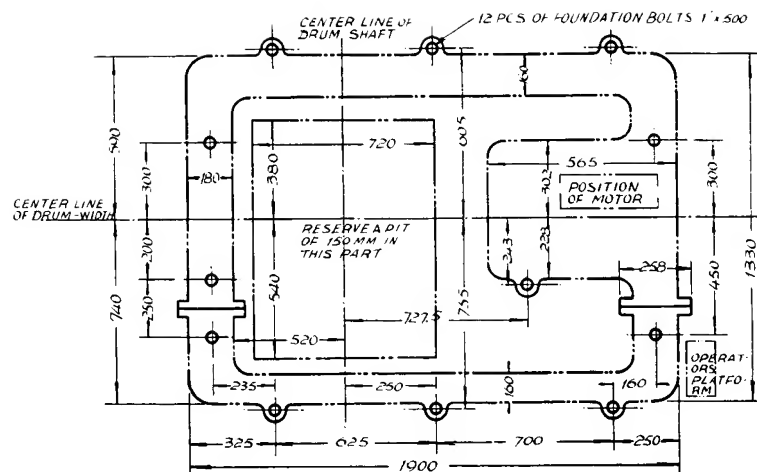
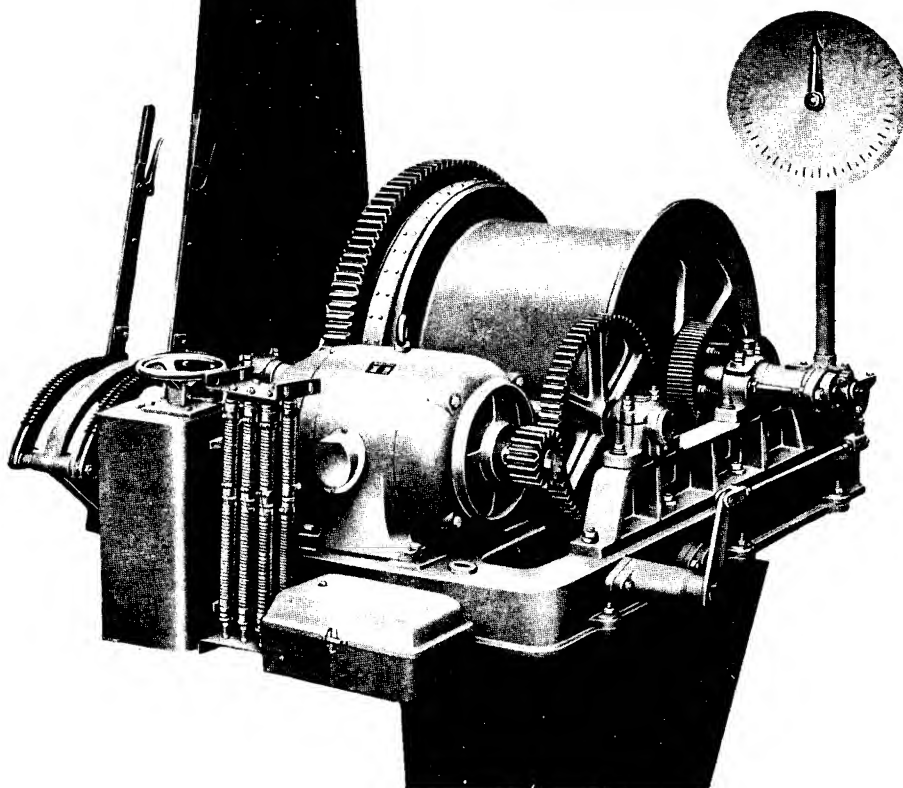
The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

S P E C I F I C A T I O N

| | | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|---|-------------|
| Hoisting capacity | ... | ... | ... | ... | ... | ... | ... | ... | 1500 kg. |
| Hoisting speed | ... | ... | ... | ... | ... | ... | ... | ... | 0.36 m/sec. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 540 mm. |
| Dia. of flange | ... | ... | ... | ... | ... | ... | ... | ... | 800 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | 600 mm. |
| Height of drum shaft centre line | | | | | | | | | |
| above ground | ... | ... | ... | ... | ... | ... | ... | ... | 460 mm. |
| Speed ratio | ... | ... | ... | ... | ... | ... | ... | ... | 1 : 119.44 |
| Steel wire rope: Diameter | ... | ... | ... | ... | ... | ... | ... | (6 × 19) | 16 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | 250 m. |
| Motor | ... | ... | ... | ... | ... | ... | ... | A. C., 3-phase, 50 cycles, 380 V., drip-proof, slip-ring, 7.5 KW., 4-poles. | |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | 2286 × 1677 × 1160 | mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | 2500 kg. |

Model 222-900

20 H.P.



SINGLE DRUM HOISTING MACHINE (20 H. P.)

Model 222—900

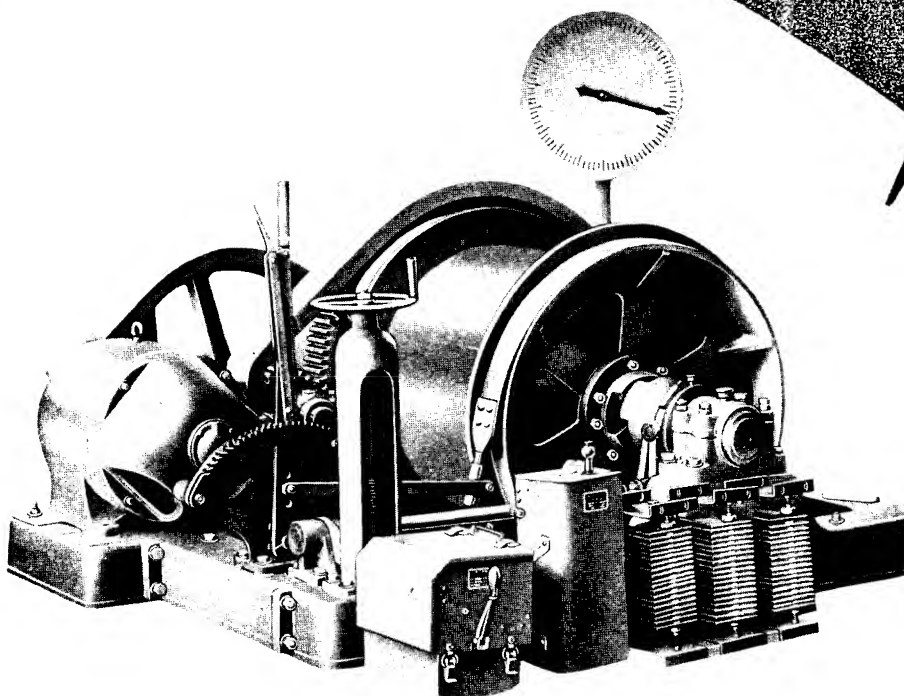
This Hoisting Machine is of the single drum type; its main shaft is driven by an electric motor through two stage speed reduction gearing. The drum is loose fitted on the main shaft, and through couplement by means of a hand-operated hardwood conical friction clutch with the transmission gears, it revolves to lift load.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

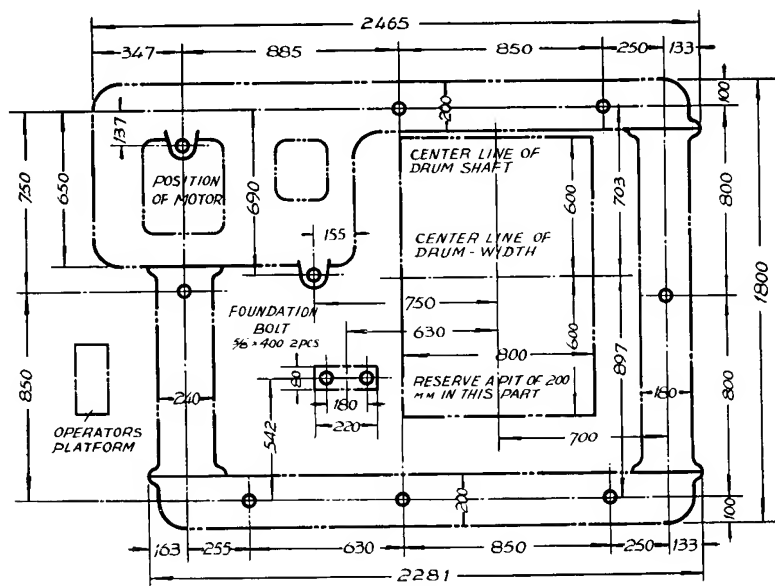
S P E C I F I C A T I O N

| | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|--|
| Hoisting capacity | ... | ... | ... | ... | ... | ... | ... | 900 kg. |
| Hoisting speed | ... | ... | ... | ... | ... | ... | ... | 1.25 m/sec. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | 760 mm. |
| Dia. of flange | ... | ... | ... | ... | ... | ... | ... | 965 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | 600 mm. |
| Height of drum shaft centre line | | | | | | | | |
| above ground | ... | ... | ... | ... | ... | ... | ... | 430 mm. |
| Speed ratio | ... | ... | ... | ... | ... | ... | ... | 1:32 |
| Steel wire rope length | ... | ... | ... | ... | ... | ... | ... | 300 m. |
| Motor | ... | ... | ... | ... | ... | ... | ... | A. C., 3-phase, 50 cycles, 380 V., drip-proof, slip-ring, 15 KW., 6-poles. |
| Overall dimension (L × W × H) | ... | ... | ... | ... | ... | ... | ... | 1900 × 1598 × 1420 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | 2200 kg. |

Model 222-1360



30 H.P.



10 PCS OF FOUNDATION BOLTS 1" x 600

SINGLE DRUM HOISTING MACHINE (30 H.P.)

Model 222—1360

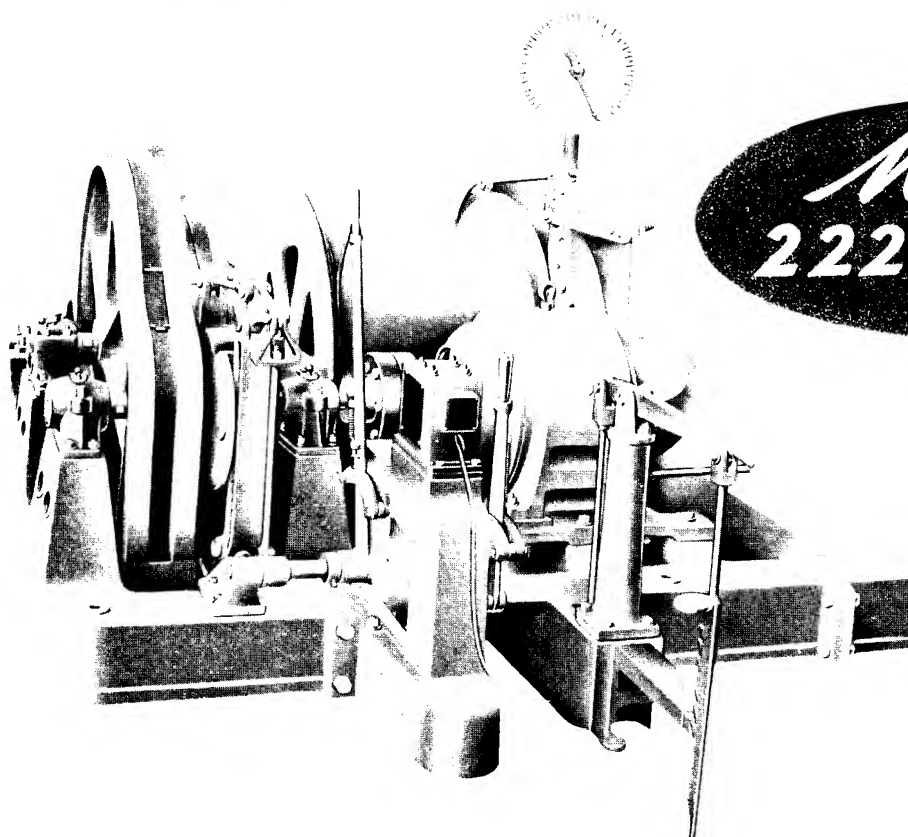
This Hoisting Machine is of the single drum type. The main shaft is driven by an electric motor through two stage reduction gearing. By means of clutch coupling, the hoist drum can be coupled with the main driving shaft, and lifts the load.

The machine is equipped with hand-operated band brake to control the hoisting work, a dial indicator is provided to show the position of the loads.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

SPECIFICATION

| | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|---|-------------|
| Hoisting capacity | ... | ... | ... | ... | ... | ... | ... | 1360 kg. |
| Hoisting speed | ... | ... | ... | ... | ... | ... | ... | 1.26 m/sec. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | 915 mm. |
| Dia. of flange | ... | ... | ... | ... | ... | ... | ... | 1170 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | 760 mm. |
| Height of drum shaft centre line | | | | | | | | |
| above ground | ... | ... | ... | ... | ... | ... | ... | 500 mm. |
| Speed ratio | ... | ... | ... | ... | ... | ... | ... | 1 : 29.55 |
| Steel wire rope: Diameter | ... | ... | ... | ... | ... | ... | 16 mm. | (6 × 19) |
| Length | ... | ... | ... | ... | ... | ... | ... | 450 m. |
| Motor | ... | ... | ... | ... | ... | ... | A. C., 3-phase, 50 cycles, 380 V., 23 K. W., 8 poles, drip-proof, squirrel-cage type. | |
| Dimension (L × W × H) | ... | ... | ... | ... | ... | ... | 2465 × 2020 × 1720 | mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | 2700 kg. |

75 H.P.

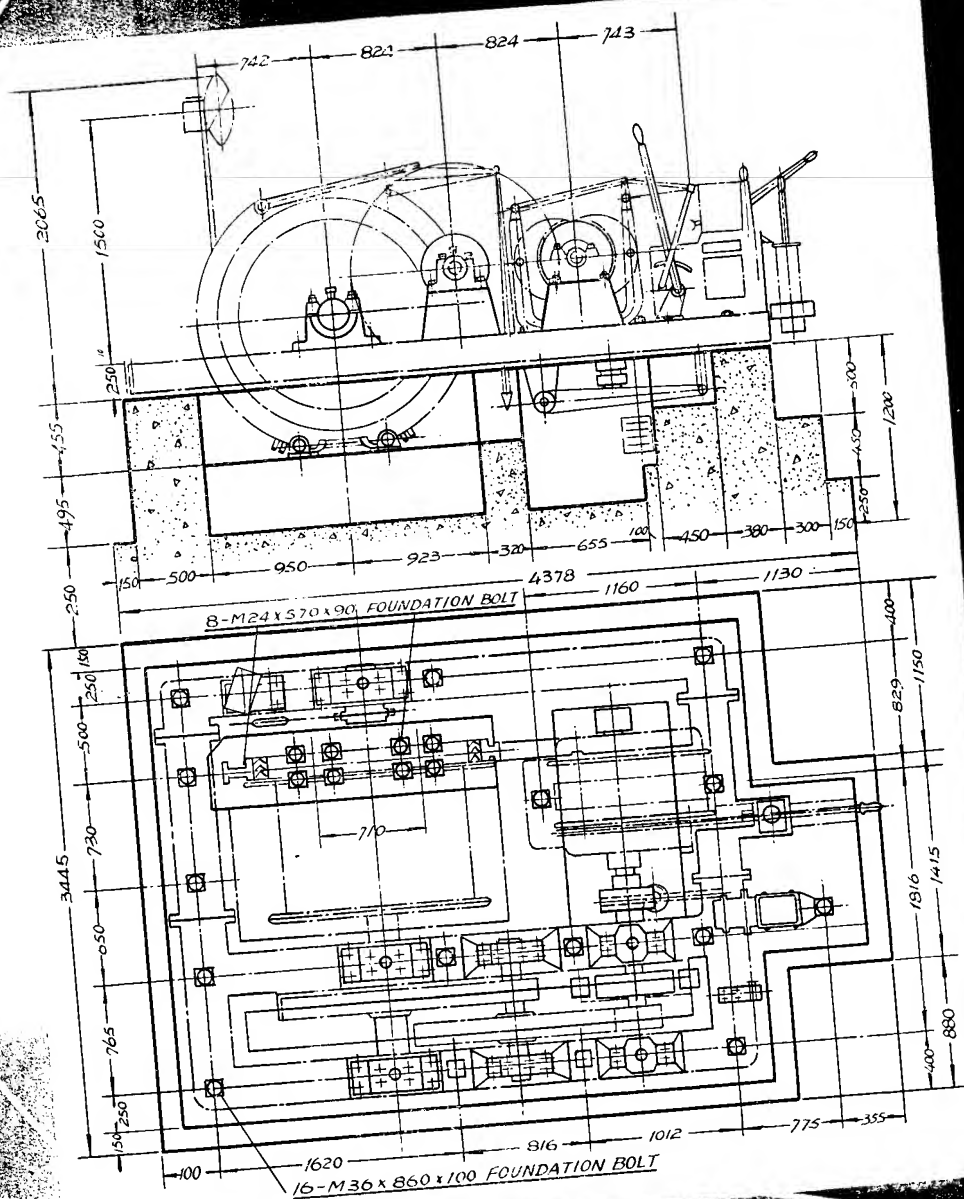
This Hoisting Machine is used for general hoisting service in mines.

The machine is provided with a depth indicator, which will indicate the position of the load at any time. A foot brake and an electric brake are also installed. In case of emergency, it will stop automatically.

The electric motor and its electric controlling equipment will be supplied with the machine in complete set.

SPECIFICATION

| | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|------------------------|---------------------|-----|-----|------------|
| Hoisting capacity | ... | ... | ... | ... | ... | ... | ... | ... | 2000 kg. |
| Hoisting speed | ... | ... | ... | ... | ... | ... | ... | ... | 130 m/min. |
| Hoisting height | ... | ... | ... | ... | ... | ... | ... | ... | 960 m. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 1220 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | 915 mm. |
| Steel wire rope | ... | ... | ... | ... | 980 m. | (6 × 19 + 1—20—160) | ... | ... | |
| Electric motor: Power | ... | ... | ... | ... | ... | ... | ... | ... | 55 KW. |
| Type | ... | ... | ... | ... | ... | ... | ... | ... | AK-92-8-55 |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | 750 rpm. |
| Voltage | ... | ... | ... | ... | ... | ... | ... | ... | 220/380 v. |
| Frequency | ... | ... | ... | ... | ... | ... | ... | ... | 50 cycles |
| Overall dimension (L × W × H) | ... | ... | ... | ... | 4748 × 3065 × 2065 mm. | ... | ... | ... | |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | 8000 kg. |



N.B.—*For improvement of the machine, we reserve the right to alter either the design or the specification.*

B R A N C H E S

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
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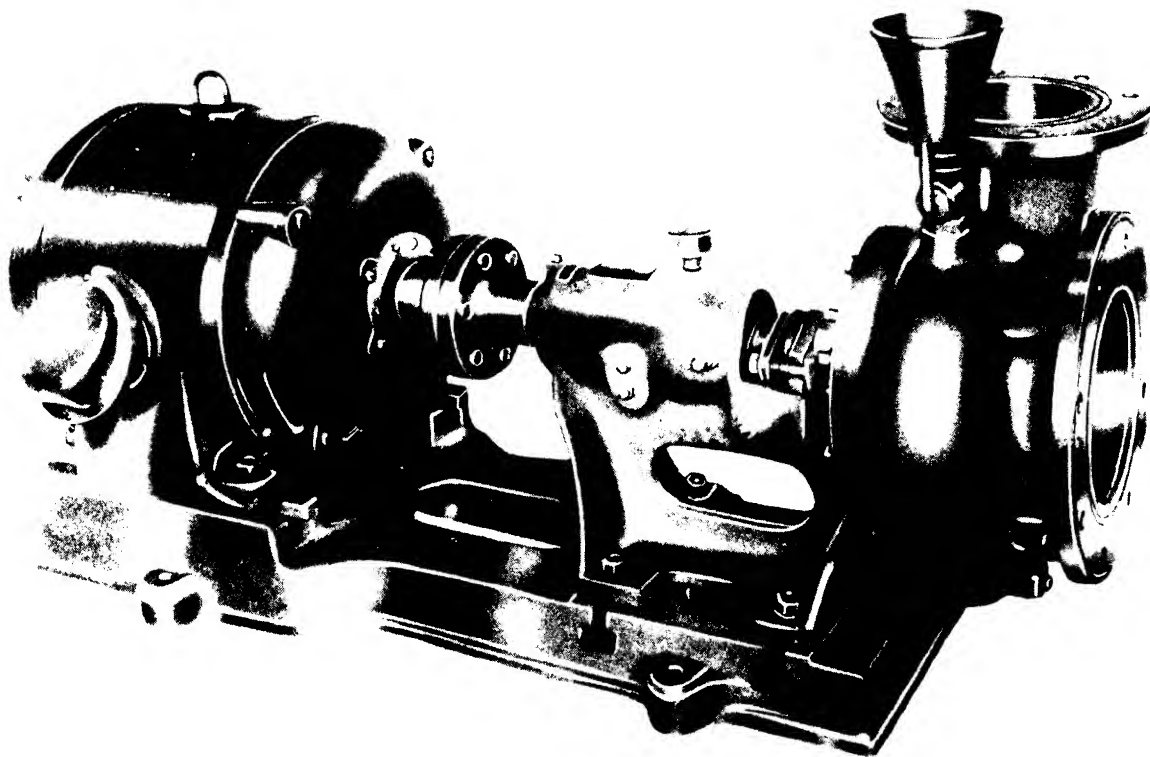
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离心式抽水机

Water Pump

Centrifugal Type

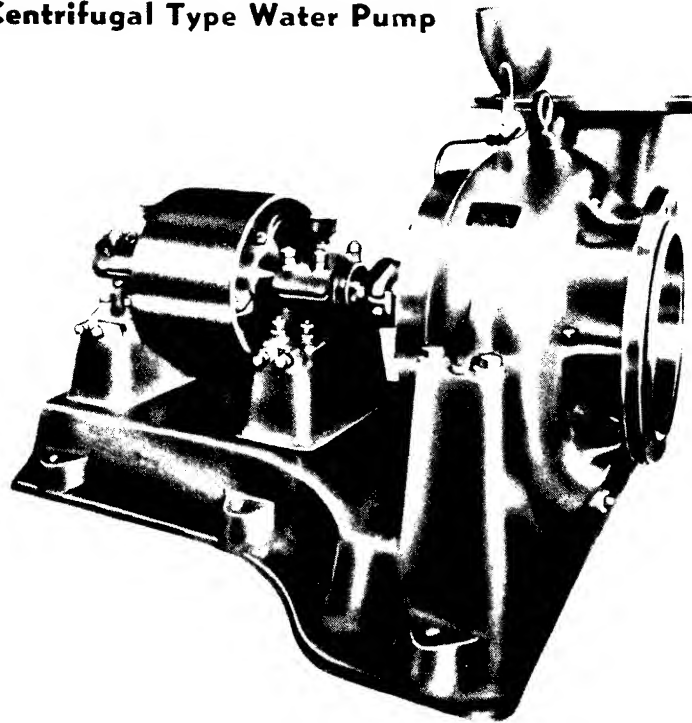


中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA, : MACHIMPORT PEKING

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

14" Centrifugal Type Water Pump

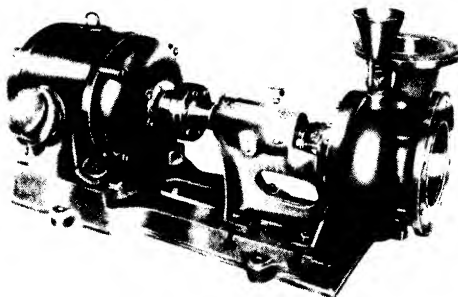


INTRODUCTION

Water pump is a kind of Machinery for pumping water from a lower level up to a higher level. Mines, Factories, Fundamental Constructions use water pumps for transporting water, supplying water and displacing water. Agricultural productions also utilise water pumps to fight against nature disasters.

There are many kinds of Water Pump, but the most effective and of widest usage ones are the Centrifugal Type Water Pumps. The main advantages of the Centrifugal Pumps are as follows:

- (1) Simple and strong construction.
- (2) Low cost of manufacture.
- (3) Easily transportable.
- (4) Easy handling and operation.
- (5) Low cost of maintenance
- (6) Stoppages and non-functioning can hardly occur.
- (7) High pressure and great capacity.



Centrifugal Type Water Pump with Motor

TABLE FOR ACCESSORIES

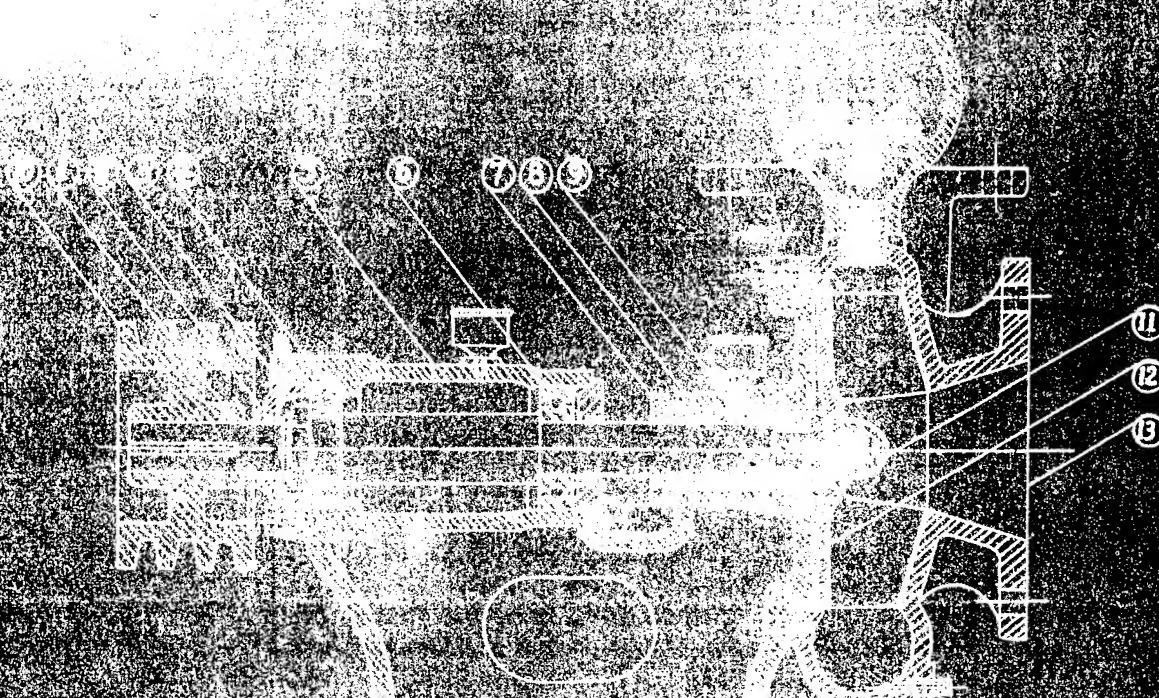
| Part No. | Nomenclature | Material | No. of Pcs. | Remarks |
|----------|----------------------------------|-------------|-------------|----------------------------|
| 1 | Main Shaft | Mild Steel | 1 | |
| 2 | Bush Cover | Cast Iron | 1 | |
| 3 | Bush Check Nut | Mild Steel | 1-2 | |
| 4 | Ball Bearing | Hard Steel | 1 | Single Roll or Double Roll |
| 5 | Housing | Cast Iron | 1 | |
| 6 | Ball Bearing | Hard Steel | 1 | Single Roll |
| 7 | Stuffing Box Cover | Cast Copper | 1 | |
| 8 | Packing | Asbestos | 3-4 Rolls | |
| 9 | Water Seal Ring | Cast Copper | 1 | |
| 10 | Priming Cup | Cast Iron | 1 | |
| 11 | Priming Cock | Cast Copper | 1 | |
| 12 | Impeller Key | Mild Steel | 1 | |
| 13 | Impeller Nut | Cast Copper | 1 | |
| 14 | Impeller | Cast Copper | 1 | |
| 15 | Pump Casing | Cast Iron | 1 | |
| 16 | Stuffing Box Liner | Cast Copper | 1 | |
| 17 | Sheaves | Cast Iron | 1 | |
| 18 | Sheaves Key | Mild Steel | 1 | |
| A | Rear Bearing Oiling Screw | Mild Steel | 1 | |
| B | Middle Oiling Screw | Mild Steel | 1 | |
| C | Front Bearing Oiling Screw | Mild Steel | 1 | |
| D | Water Seal Screw | Mild Steel | 1 | |
| E | High Pressure Water Seal Screw | Mild Steel | 1 | |
| F | Standard Oiling Bevel Screw | Mild Steel | 1 | |
| G | Oil Drain Cock | Mild Steel | 1 | |
| H | Stuffing Box Water Drainage Cock | Mild Steel | 1 | |
| K | Pump Casing Drainage Cock | Mild Steel | 1 | |

Centrifugal Type Water Pump Size and Its Character

| Pump Size | Diameter | | H.P. | R.P.M. | Gal./Min. | Total Head In Ft. | Net Wt. Kg. | Equipments |
|-----------|----------|--------|------|--------|-----------|-------------------|-------------|--|
| | Inlet | Outlet | | | | | | |
| 2" | 2½" | 2" | 3 | 1800 | 200 | 30 | 47 | |
| 3" | 4" | 3" | 5 | 1800 | 350 | 40 | 79 | Ø 4" Suction Valve 1 piece Ø 4" 90° Elbow 1 piece |
| 4" | 5" | 4" | 8 | 1500 | 500 | 60 | 127 | Ø 5" Suction Valve 1 piece Ø 5" 90° Elbow 1 piece |
| 5" | 6" | 5" | 15 | 1500 | 600 | 60 | 154 | Ø 6" Suction Valve 1 piece Ø 6" 90° Elbow 1 piece |
| 6" | 8" | 6" | 20 | 1400 | 800 | 60 | 217 | Ø 8" Suction Valve 1 piece Ø 8" 90° Elbow 1 piece |
| 8" | 10" | 8" | 25 | 1000 | 1500 | 50 | 331 | Ø 10" Suction Valve 1 piece Ø 10" 90° Elbow 1 piece |
| 10" | 12" | 10" | 30 | 900 | 2500 | 50 | 574 | Ø 12" Suction Valve 1 piece Ø 12" 90° Elbow 1 piece |
| 12" | 12" | 12" | 35 | 900 | 3500 | 40 | 689 | Ø 12" Suction Valve 1 piece Ø 12" 90° Elbow 1 piece |
| 14" | 14" | 14" | 40 | 680 | 4200 | 30 | 1335 | Ø 14" Suction Valve 1 piece Ø 14" Elbow 1 piece |
| 16" | 16" | 16" | 55 | 600 | 6000 | 30 | 1795 | Ø 16" Suction Valve 1 piece |

The Construction of the Water Pump of Centrifugal Type.

The constructions of various specifications of the Centrifugal Water Pump manufactured by the factory are all in one of the same model. The following drawing is one the recent production:



Centrifugal Type Water Pump Constructions

3" Centrifugal Type Water Pump

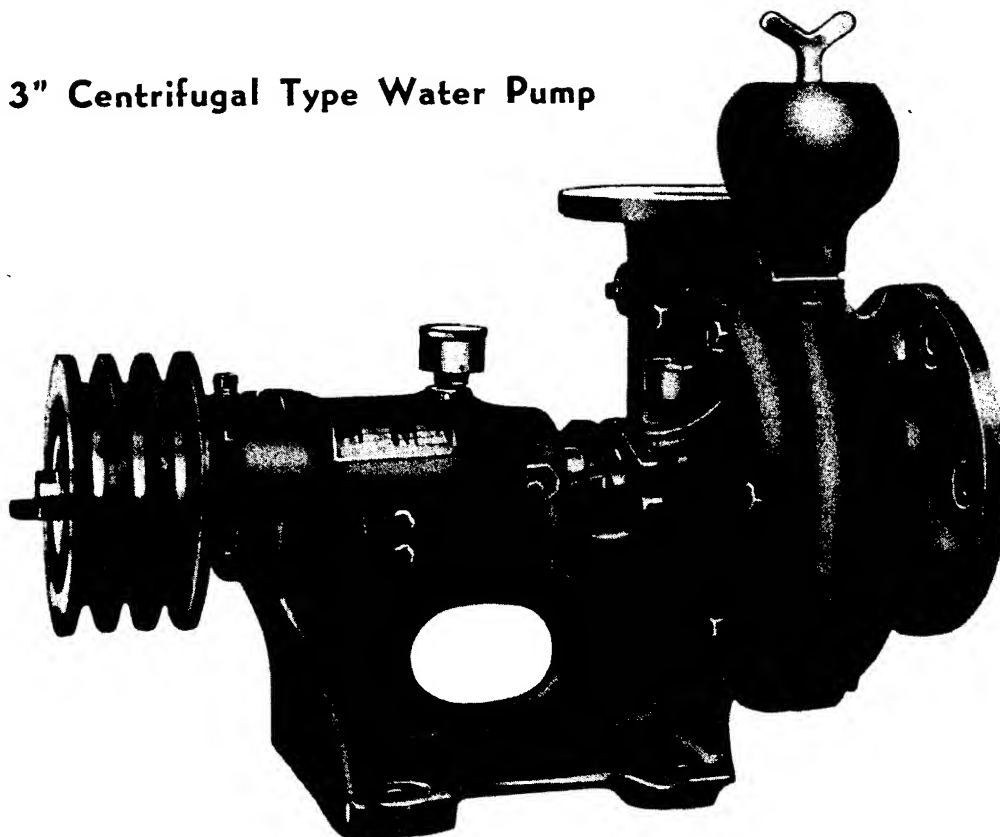


TABLE FOR "V" BELT DRIVEN

| Pump Size | H.P. | R.P.M. | Sheaves Dia. 4" | | Sheaves Dia. 6" | | Sheaves Dia. 8" | |
|--------------|------|--------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
| | | | V Belt Speed Ft. | No. of Belt | V Belt Speed Ft. | No. of Belt | V Belt Speed Ft. | No. of Belt |
| 2" | 3 | 1800 | 1800 | B-2 | 2700 | B-1 | 3600 | A-2 |
| 3" | 5 | 1800 | 1800 | B-3 | 2700 | B-2 | 3600 | A-3 |
| 4" | 8 | 1500 | 1500 | C-3 | 2200 | B-4 | 3000 | A-4 |
| 5" | 15 | 1500 | 1500 | C-4 | 2200 | C-3 | 3000 | B-5 |
| 6" | 20 | 1400 | 1400 | C-5 | 2100 | C-4 | 2800 | C-3 |
| 8" | 25 | 1000 | 1000 | D-5 | 1500 | C-7 | 2000 | C-5 |
| 10" | 30 | 900 | 900 | D-6 | 1350 | D-4 | 1800 | D-3 |
| 12" | 35 | 900 | 900 | D-7 | 1350 | D-5 | 1800 | D-4 |

25X1

BRANCHES

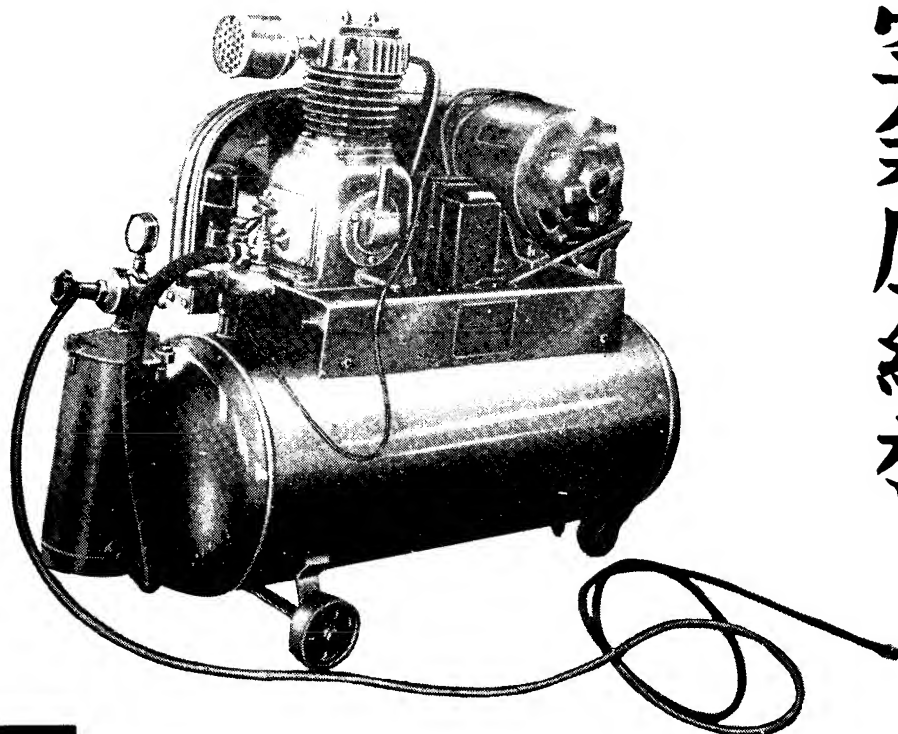
TIENTSIN OFFICE: 171 Chine Shien Road (Ho Si District)
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CANTON OFFICE: No. 2, West Bund Road, Canton
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25X1

三馬力空氣壓縮機



3 H.P.

AIR COMPRESSOR

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

IMPORT — EXPORT

ER-LI-KOW, HSI-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

3 H.P. AIR COMPRESSOR

This is a single-cylinder, vertical, air-cooled compressor. Capacity 22 cubic meters free air per hour to pressure of 6 atmospheres.

The machine is driven through V-belt by a 2.2 KW. motor, mounted on a horizontal air reservoir of 150 litre capacity. The unit is easy to move around as it is fitted with wheels.

The flywheel also performs as a fan, effecting cooling efficiently. The crankshaft is fitted with ball bearings, ensuring smooth running. Lubrication is performed by the rotary crankshaft carrying the lubricating oil from the crank case to all the rotating parts.

A pressure gauge and a spring safety valve are fitted onto the air reservoir. When a pre-regulated pressure, range 4 to 6 atm. at will, is exceeded, the machine will be stopped automatically. A filter is provided for filtering exhaust air and a pressure regulating valve for regulating the exhaust pressure.

This machine, as the main source of supply of compressed air in workshops, is used for driving various kinds of pneumatic tools for spraying lacquer, cleaning machines, etc.

| | |
|------------------|---|
| Intake Capacity: | 22 m ³ /hr. (775 ft ³ /hr.) |
| Pressure | 6 atm. (85 lbs/in ²) |
| Speed | 650 rpm. |

Motor:

| | |
|-----------|---------------------------------|
| Type | A. C., 3-phase, Induction type. |
| Power | 2.2 KW. |
| Speed | 1400 rpm. |
| Voltage | 220/380 V. |
| Frequency | 50 cycles |

Air Reservoir:

| | |
|---------------------------|--------------------|
| Capacity | 150 litres |
| Pressure | 10 atm. |
| Overall dimension (LxWxH) | 1600x540x1080. mm. |
| Net weight | 243 kg. |

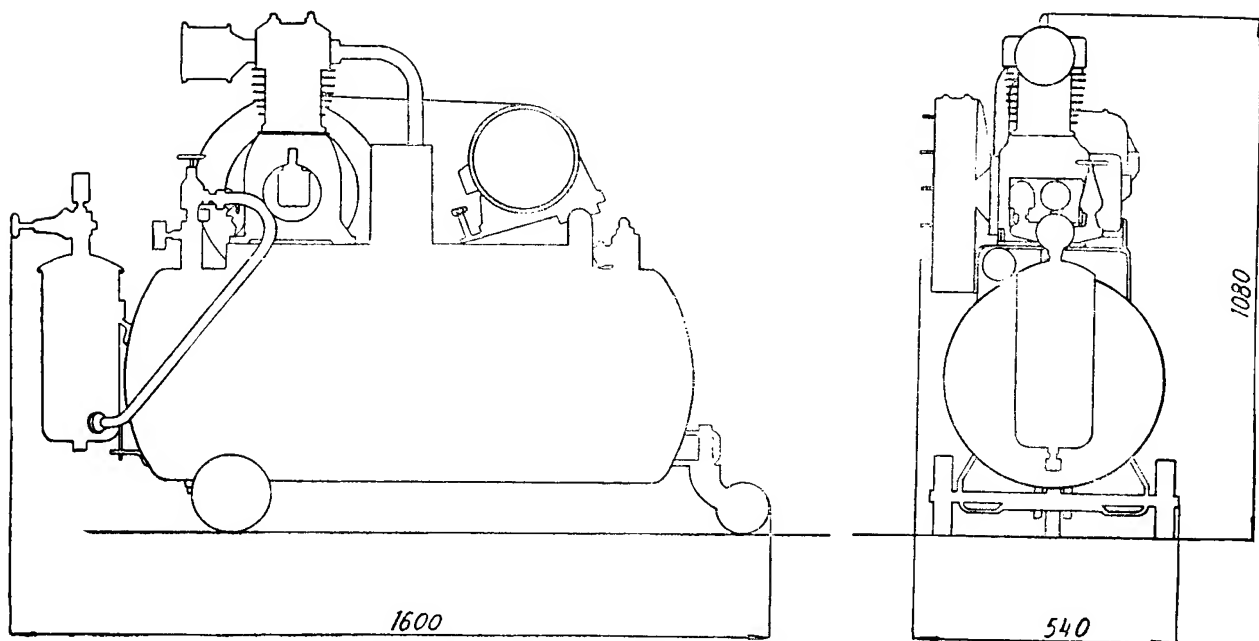


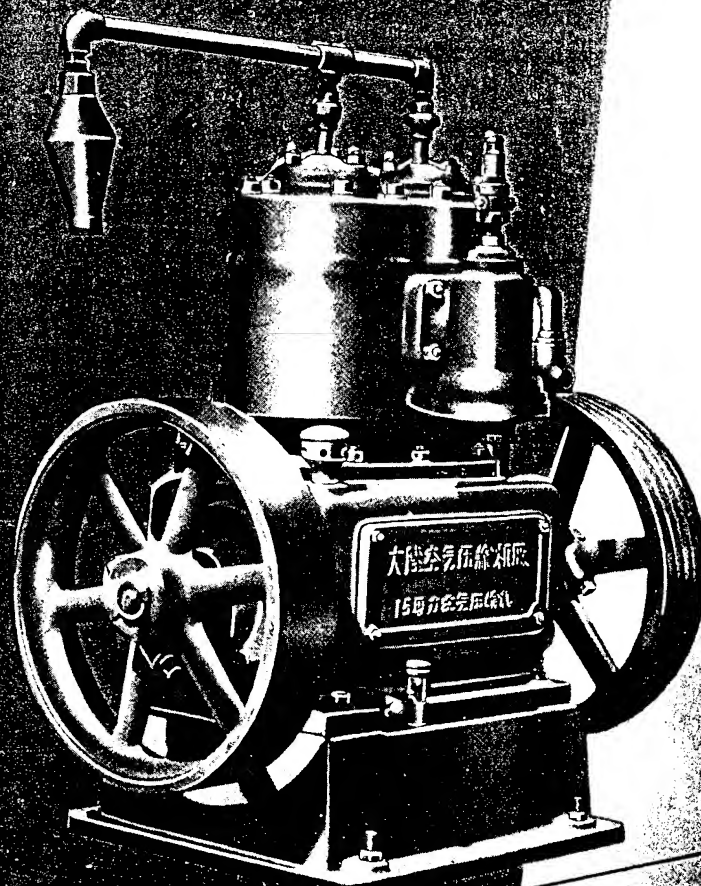
Diagram Showing Overall Dimensions

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

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15 H.P. Air Compressor



15馬力

空氣壓縮機

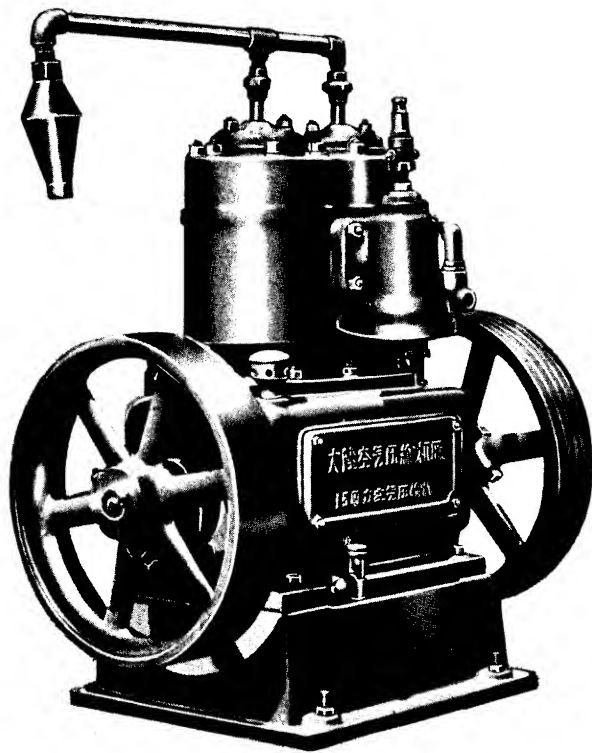
中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

TEL: 1001, HSI CHIAO PEKING

ADD: MACHIMPORT, PEKING

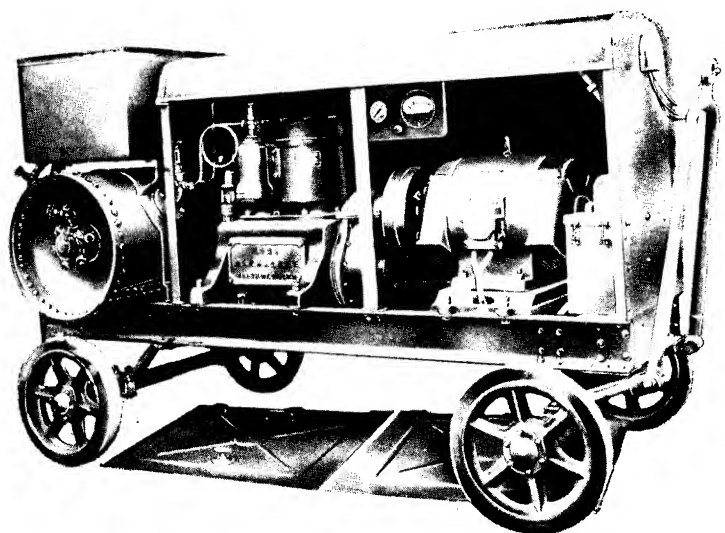
25X1



*15 H.P.
Stationary Type
Air Compressor*

15 馬力空氣壓縮机
(固定式)

*15 H.P.
Portable Type
Air Compressor*



15 馬力空氣壓縮机 (移動式)

15 H.P. AIR COMPRESSOR

(Stationary or Portable Type)

A. SPECIFICATIONS:

| | |
|-----------------------------|--|
| Type: | Vertical, two-cylinder, single-acting, water-cooled. |
| Intake Capacity | 1.7 m ³ /min. |
| Air Pressure | 7 kg/cm ² |
| Cylinder dia. | 140 mm. |
| Stroke | 127 mm. |
| Speed... .. | 500 rpm. |
| Number of Stage | 1 |
| Dia. of Exhaust Pipe | 51 mm. |
| Nett Weight | 406 kg. |

ELECTRIC MOTOR

| | Stationary | Portable |
|------------------------|--|--|
| Type ... | 3-phase induction dripwater-proof squirrel cage. | 3-phase induction dripwater-proof squirrel cage. |
| Power... 12 KW (15 HP) | 12 KW | |
| Voltage 220-380 V. | 220-380 V. | |
| Speed... 1500 rpm. | 950 rpm. | |

AIR TANK

| | Stationary | Portable |
|--------------------------|------------|------------|
| Inner diameter | 720 mm. | 490 mm. |
| Height or Length) | 1219 mm. | 1219.2 mm. |

* Portable type is supplied with 6 distributing valves for sundry connections.

WATER BOX

| | | |
|---------------|---|----------|
| Length | — | 1100 mm. |
| Width | — | 500 mm. |
| Height | — | 500 mm. |

BELT PULLEY

| | | |
|-----------------|---------|---|
| Diameter | 510 mm. | — |
| Width | 105 mm. | — |

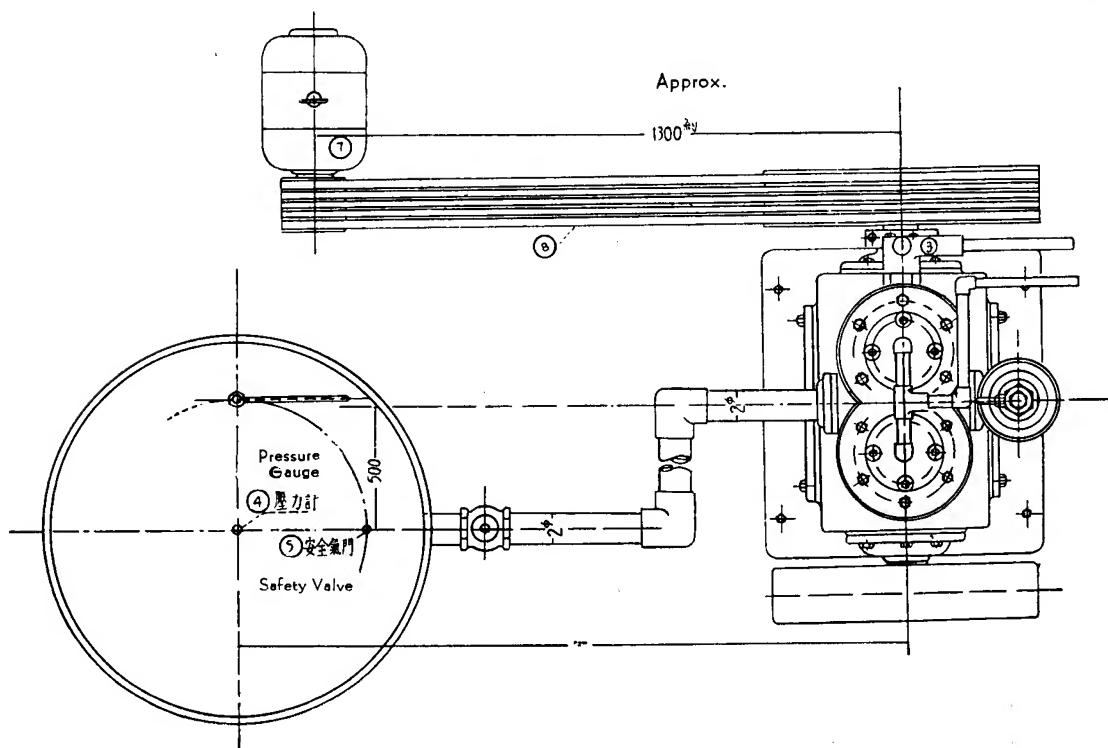
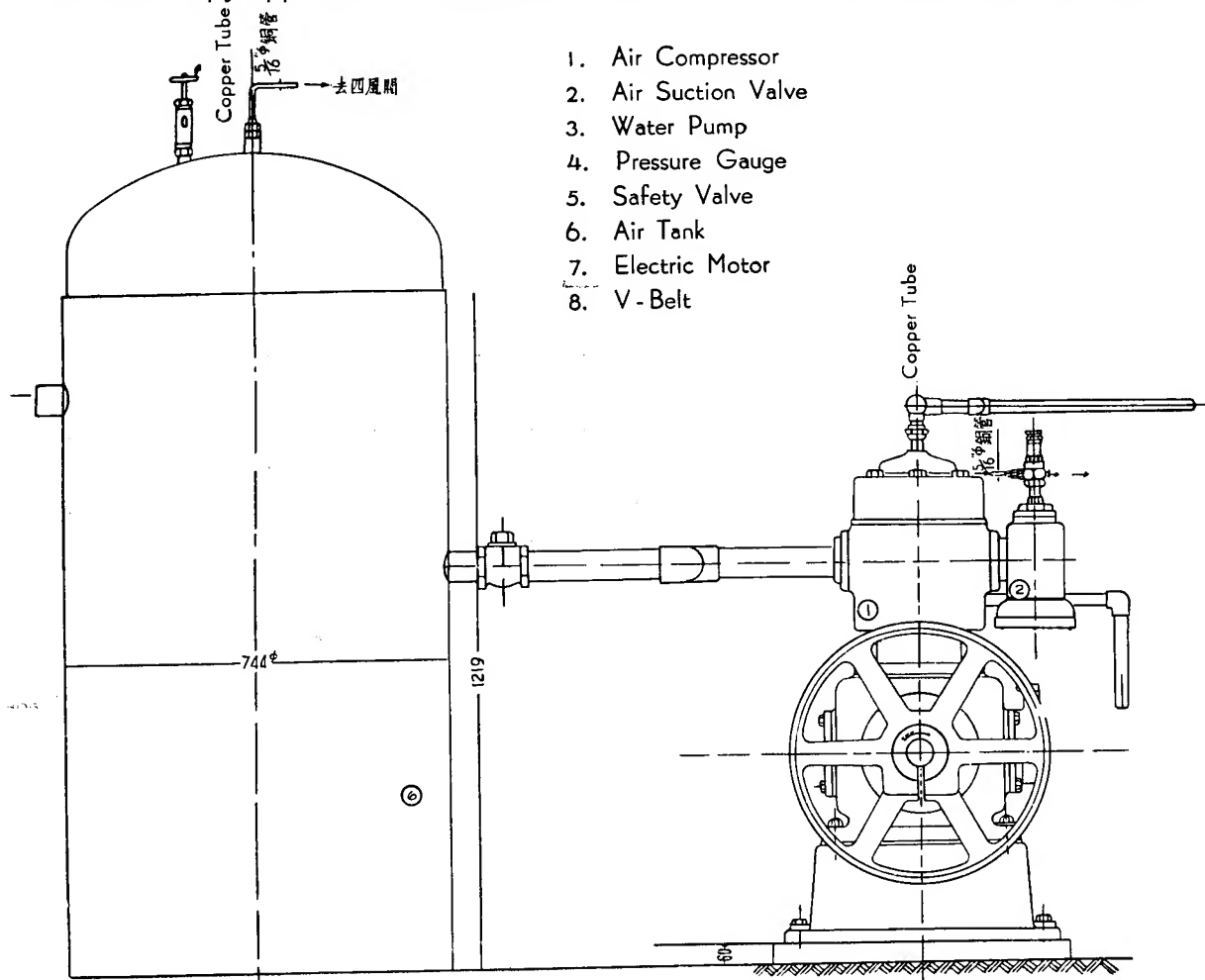
GROOVED WHEEL

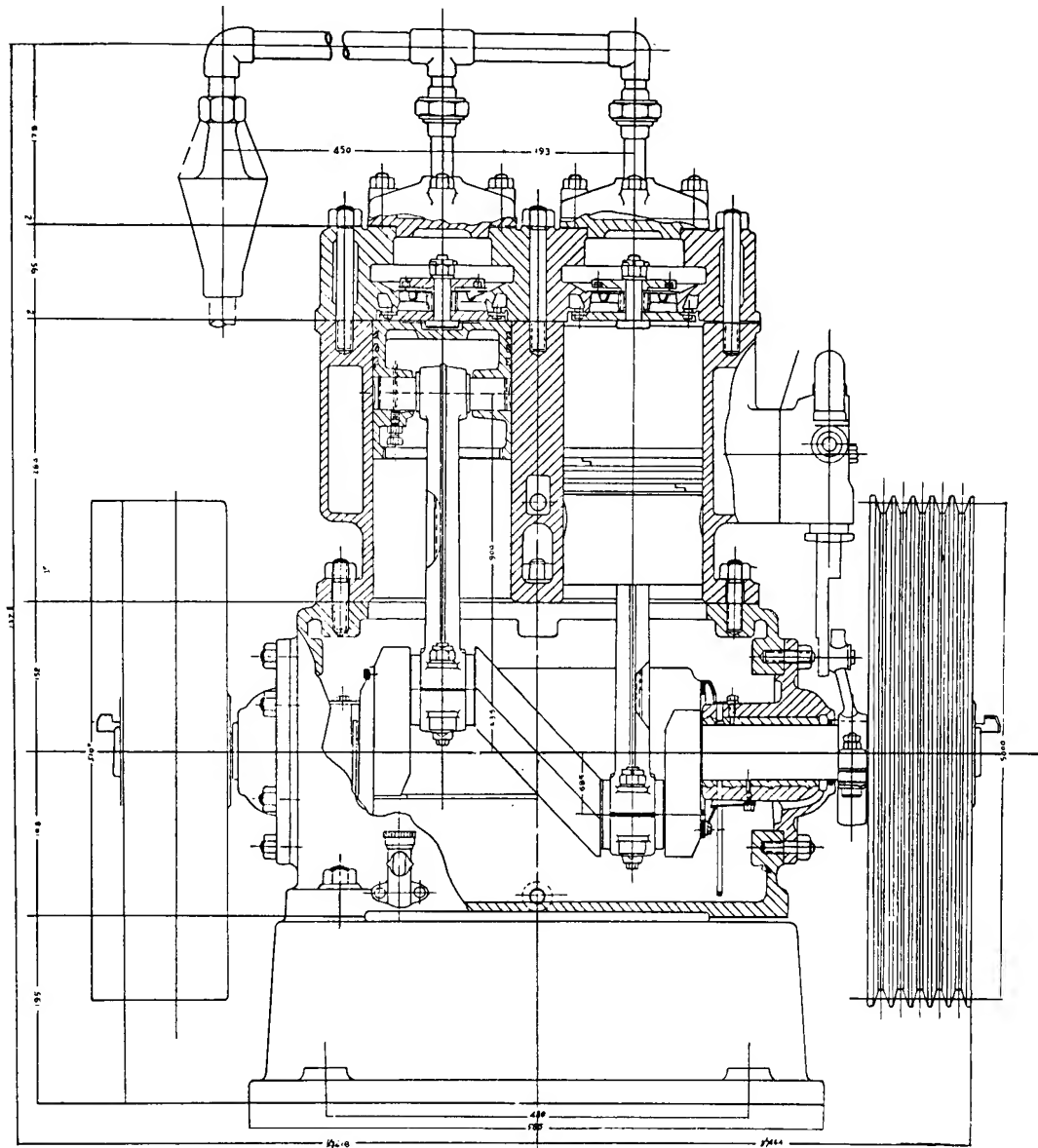
| | | |
|-----------------|---------|---|
| Diameter | 525 mm. | — |
| Width | 107 mm. | — |

* It is gear connection for portable type.

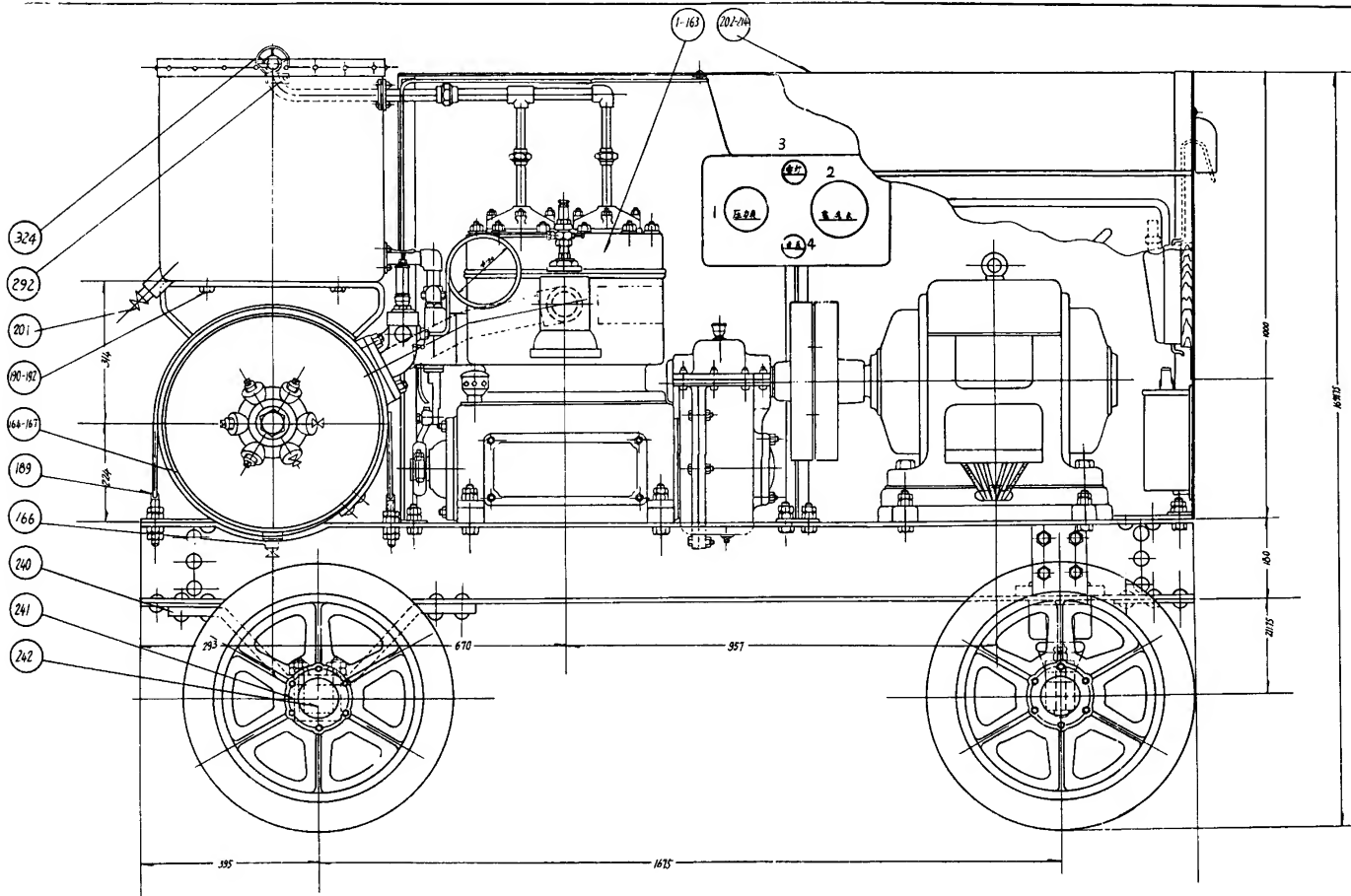
OVERALL DIMENSIONS

| | | |
|---------------|----------|----------|
| Height | 1100 mm. | 1692 mm. |
| Length | 900 mm. | 2370 mm. |
| Width | 600 mm. | 1300 mm. |





15 H.P. AIR COMPRESSOR (STATIONARY TYPE)



15 H.P. AIR COMPRESSOR (PORTABLE TYPE)

- | | |
|-------------------|-----------|
| 1. Pressure gauge | 3. Lamp |
| 2. Ammeter | 4. Switch |

INSTRUCTION NOTES FOR SAFE OPERATION

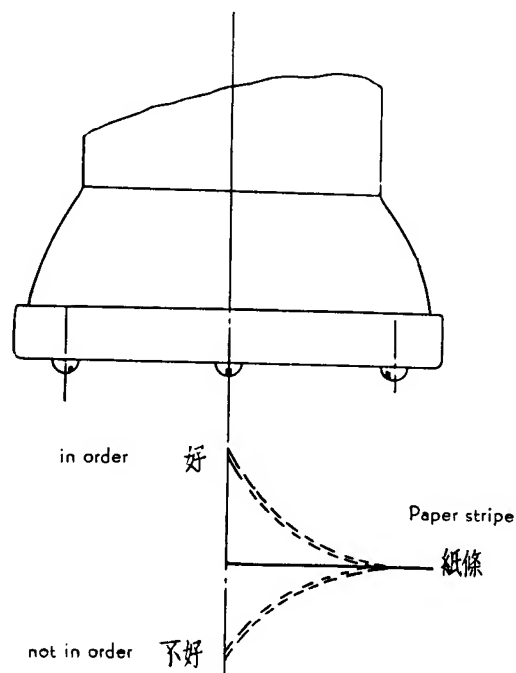
OF THE 15-HP AIR COMPRESSOR

A. NOTES FOR INSTALLATION.

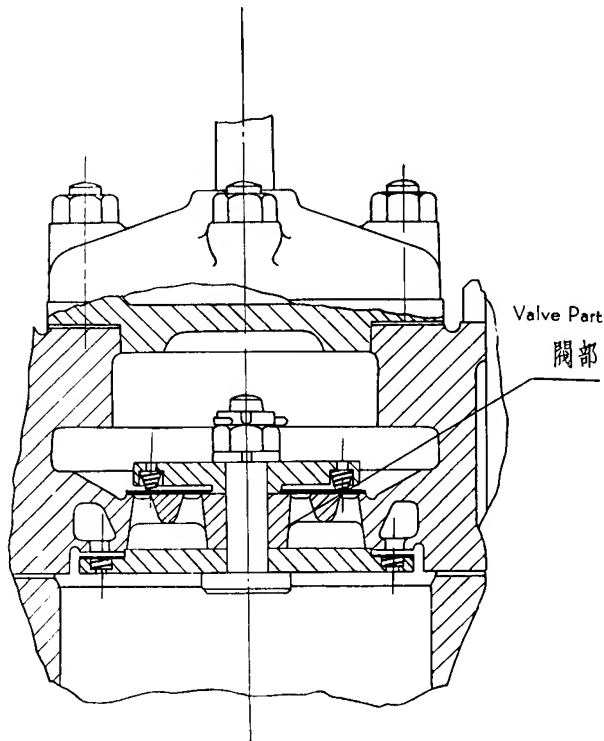
1. The air compressor is most effectively operated with clean, dustless, dry, and cool air. It is therefore important to see that it is not installed in the vicinity of a boiler or where there is apt to be fly ashes.
2. The air compressor should be installed on firm and level foundation for the best reliability during operation.
3. For installation of the air compressor, the air tank, and the electric motor, please refer to diagram (2).

B. POINTS TO BE NOTED DURING OPERATION.

1. Before operation, turn the compressor several times slowly to see that everything is in good order.
2. Before starting, see that the lube oil tank is filled up to the 43 mm-mark. (For portable type, to the 30 mm-mark.)
3. Adjust the nut on the safety valve and the return valve for proper amount of pressure. See that the valves can operate freely.
4. Check the temperature on the cylinder wall after starting. Temperature of the cooling water should be maintained at below 35°C. (At no time it should exceed 40°C.)
5. After starting, listen carefully if there is any unusual noise in the compressor. In case it does, it should be stopped and examined.
6. With a piece of paper placed near the inlet end, see if there is any serious air leakage. Any discovery of unusual conditions warrants stopping the compressor for examination. (Diagram 4).
7. Note the air tank pressure when the air compressor is stopped. If there is any unusual loss of pressure, see if all the connections are properly made and if there is any damage to the discharge system.
8. Examine if there is any loose part in the air compressor. Any defection should be corrected immediately.



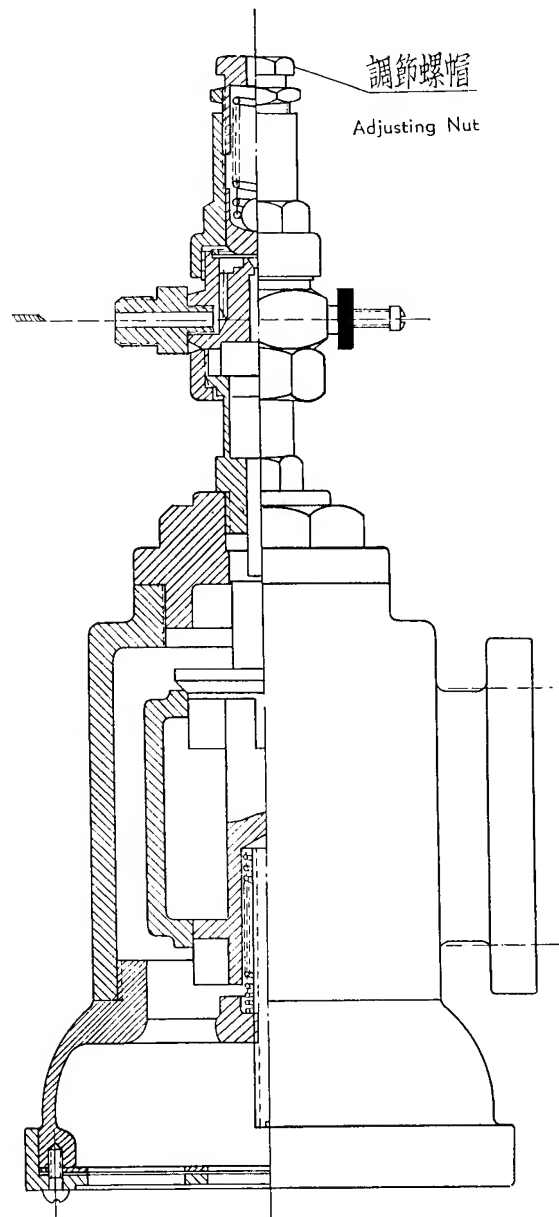
1. Clean the bottom of the air tank daily of any entrained oil.
2. Provide additional oil whenever the oil falls below the 43-mm mark. (For Portable Type, 30 mm.)
3. Clean the trough once every month. Minor mechanical parts should be given an overhaul bi-monthly ; a major overhaul every half-year.
4. When the air compressor is not in service during winter season, it should be drained of all the cooling water.
5. Clean the discharge port every half-month. (Diagram 5).
6. Whenever the air compressor is stopped, the suction end should be plugged up to prevent accumulation of dirt.
7. Refer to diagrams provided when changing valves, valve springs, piston rings, etc.



AIR RETURN VALVE

The function of the air return valve is to properly regulate the compressor load during operation, to prevent uneconomical loading of the unit. Whenever the tank air pressure reaches a pre-determined value, the air return will operate automatically to close the inlet port, and in this way the load on the air compressor is reduced. When the tank air pressure falls below the normal setting, the return valve closes automatically. This automatically permits loading of the air compressor. For this reason, the valve spring on the air return valve should be properly set according to the required pressure in the air tank.

Method for readjustment of the valve spring is exceedingly simple. This can be accomplished by merely tightening or loosening the adjusting nut on top of the return valve. If the return valve opens too readily, the nut should be tightened or loosening if the opposite effect is desired.



N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

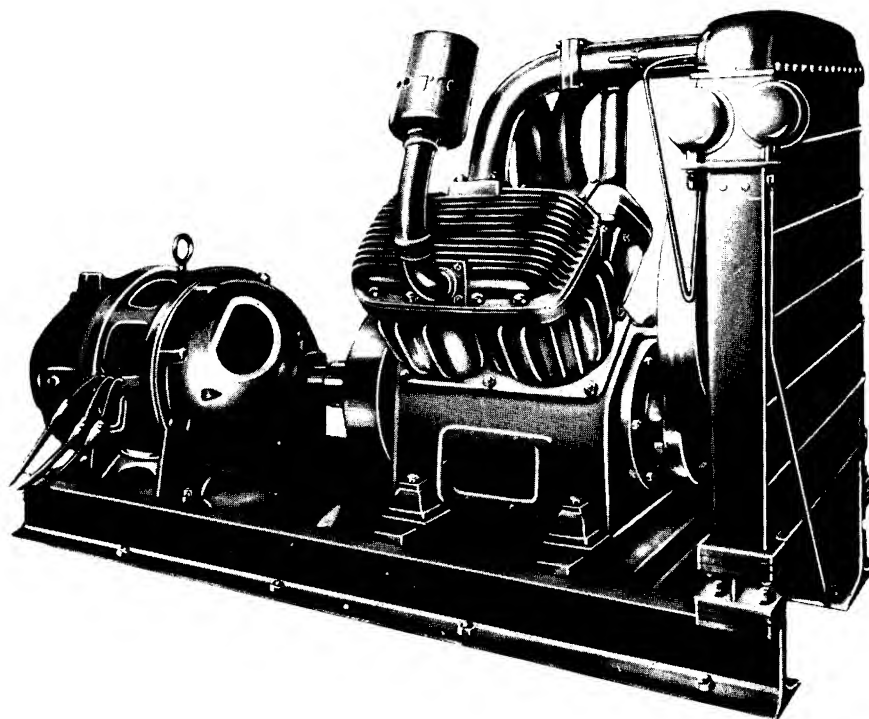
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Cable Address: MACHINERY Canton

Air Compressor

Model 1-6 7



空氣壓縮機

6/5/57

中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING, CHINA

CABLE ADDRESS: "MACHIMPORT" PEKING

AIR COMPRESSOR

MODEL 1-6/7

This Air Compressor is of two-stage, four-cylinder, V-construction, single acting, air cooled type. Capacity 6 cubic meters free air per minute to pressure of 7 atmospheres.

It is driven by a direct-coupled 40 KW. motor. The compressor, motor, and intercooler are all mounted on a frame work, equipped with manometer and safety valve.

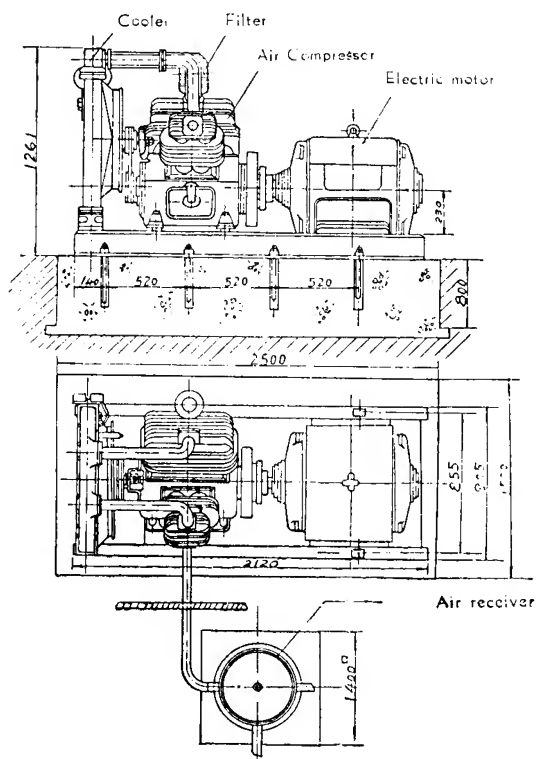
Air cooling of cylinder is effected by fans. Lubrication by splash method. Air receivers are of two sizes, namely: 0.25 cubic meter and 1.31 cubic meter respectively; any or both of them may be equipped if required.

The machine is suitable for use in building construction works, mines and workshops to supply energy to pneumatic tools.

SPECIFICATION

| | | |
|-------------------|---------------------|------------------------|
| No. of cylinders: | 1st stage | 2 |
| | 2nd stage | 2 |
| Cylinder bore: | 1st stage | 230 mm. |
| | 2nd stage | 135 mm. |
| Stroke: | | 120 mm. |
| Intake capacity: | | 6 m ³ /min. |

| | | |
|---|---------------------|-------------------|
| Pressure : | 1st stage | 2 atm. |
| | 2nd stage | 7 atm. |
| Power required | | 52 H.P. |
| Speed | | 730 rpm. |
| Motor : | Power | 40 KW. |
| | Speed | 730 rpm. |
| Overall dimension (L x W x H) | | 2120x905x1261 mm. |
| | (including motor) | |
| Net weight | | 1360 kg. |
| | (including motor) | |



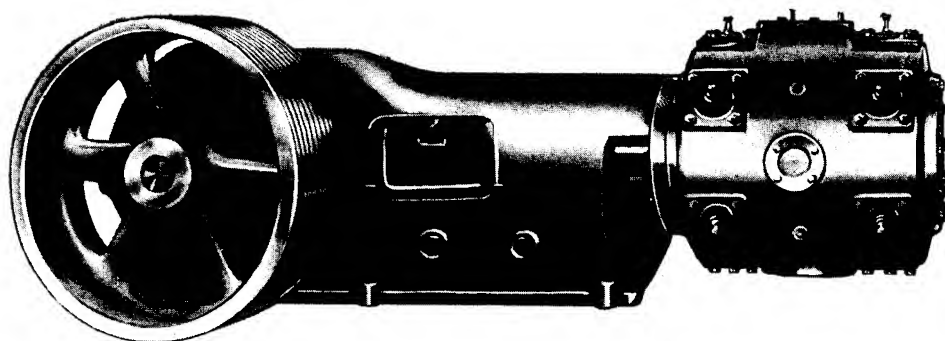
N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

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Air Compress

空氣壓縮機



中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION
(IMPORT — EXPORT)

ER-LI-KOU, HSI-CHIAO, PEKING

"MACHIMPORT" PEKING 25X1

AIR COMPRESSOR

This Air Compressor is of single cylinder, double acting, horizontal, water cooling type. Capacity 12 cubic meters free air per minute to pressure of 7 atmospheres.

It is advisable to supply cooling water by coolant pump, but pipe water may also be used. Lubrication of the various parts of this machine by means of splashing and injection. Supplied with automatic pressure regulating device, the compressor being economical in the consumption of power and ensuring safety against excessive pressure in air receiver.

The machine is used in mines, civil engineering works and industrial plants, wherever compressed air is needed for pneumatic tools.

| | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------------------------|
| No. of cylinder.... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| Cylinder bore .... | .... | .... | .... | .... | .... | .... | .... | .... | 350 mm. |
| Stroke ... | .... | .... | .... | .... | .... | .... | .... | .... | 300 mm. |
| Intake capacity.... | .... | .... | .... | .... | .... | .... | .... | .... | 12m ³ /min. |
| Pressure .... | .... | .... | .... | .... | .... | .... | .... | .... | 7 atm. |
| Power required.... | | | | | | | | | 100 H.P. |
| Speed.... | | | | | | | | | 290 rpm. |
| Motor recommended: Power | | | | | | | | | 80 KW. |
| Speed | | | | | | | | | 720 rpm. |

BRANCHES

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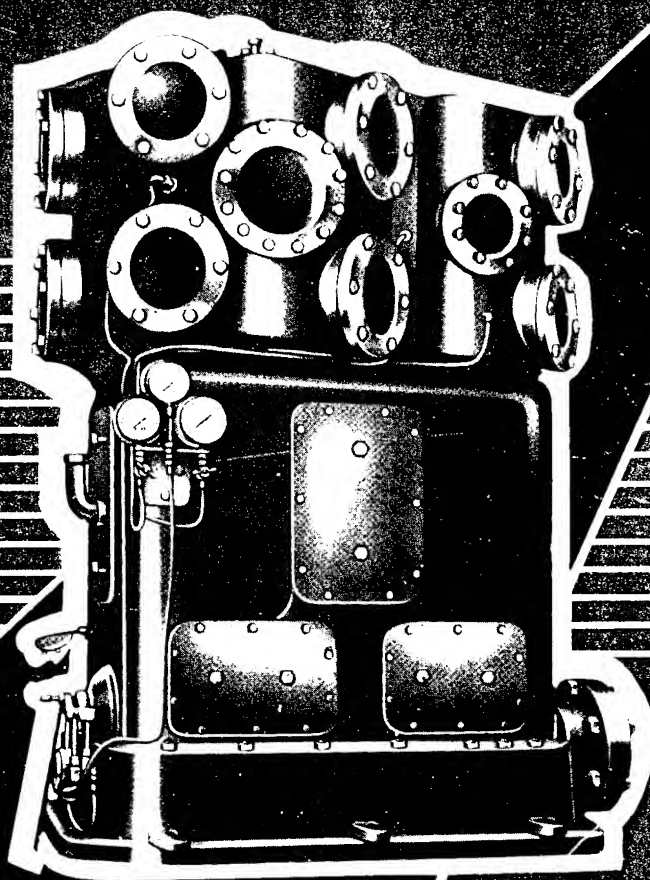
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25X1

空氣壓縮機

Air Compressor



DEL

40/8

中國機械進口公司
CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LHKOU HS-CHIAO PEKING CHINA CABLE ADD: MACHIMPORT PEKING

25X1

AIR COMPRESSOR MODEL 1-40/8.

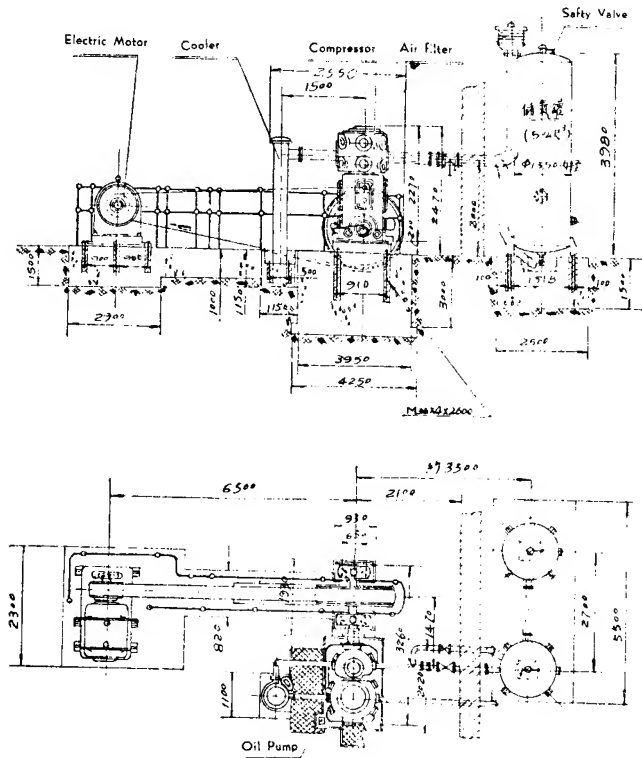
This Air Compressor is of two-stage, two-cylinder, vertical, double acting, water cooled type. Capacity 40 cubic meters free air per minute to pressure of 8 atmospheres.

The machine set consists of compressor, intercooler and a 250 KW. motor. The drive is by flat belt or V-belt.

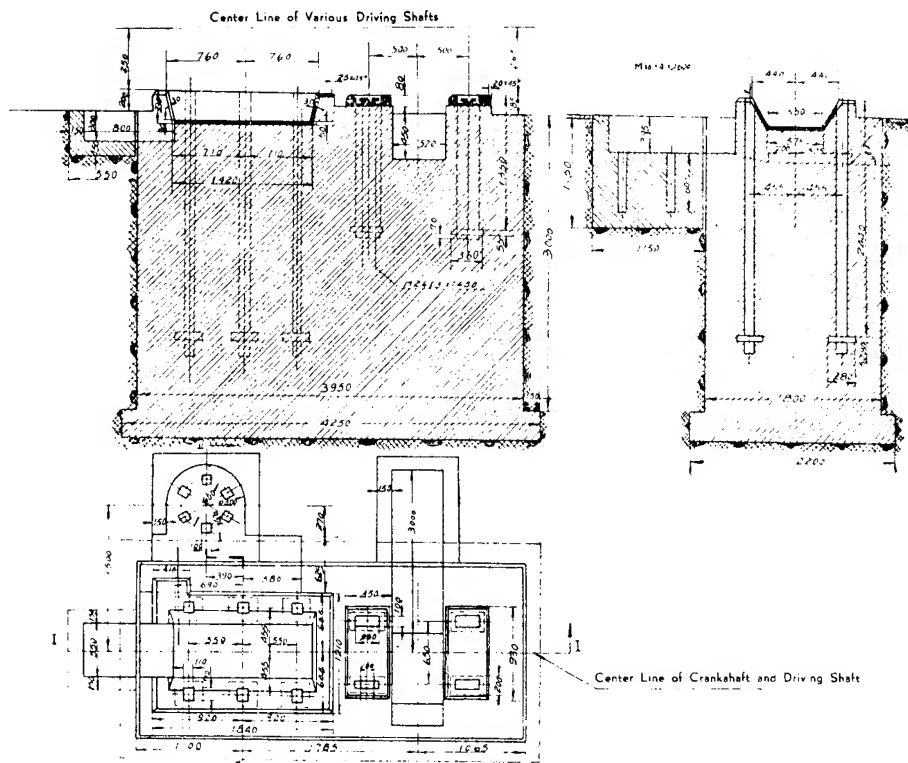
Safety valve and manometer are provided. Lubrication is effected both by gear pump and by lubricators; the former for bearings and other rubbing surfaces and the latter for cylinders and stuffing boxes.

The machine is suitable for mines, building constructions and workshops for feeding compressed air to various pneumatic tools.

| | | |
|-----------------------------|-----------------------------------|-------------------------|
| No. of cylinder: | 1st stage..... | 1 |
| | 2nd stage..... | 1 |
| Cylinder bore: | 1st stage..... | 570 mm. |
| | 2nd stage..... | 340 mm. |
| Stroke: | ..... | 300 mm. |
| Intake capacity: | ..... | 40 m ³ /min. |
| Pressure: | 1st stage.. | 2 atm. |
| | 2nd stage..... | 8 atm. |
| Power required: | ..... | 300 H.P. |
| Speed: | ..... | 330 rpm. |
| Cooling water consumption | ..... | 13 m ³ /hr. |
| Lubricating oil consumption | ..... | 0.35 kg./hr. |
| Motor: | Power..... | 250 KW. |
| | Speed..... | 750 rpm. |
| Overall dimension (LxWxH) | ..... | 2550x3260x2470 mm. |
| | (not including motor or receiver) | |
| Weight of heaviest piece | ..... | 1000 kg. approx. |
| Machine net weight | ..... | 8900 kg. |



General plan of 40m3 Air Compressor



Foundation plan of 40m3 Air Compressor

N.B.: For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

TIENTSIN OFFICE: 171 Chien Shien Road (Ho Si District)
Cable Address: MACHIMPORT Tientsin

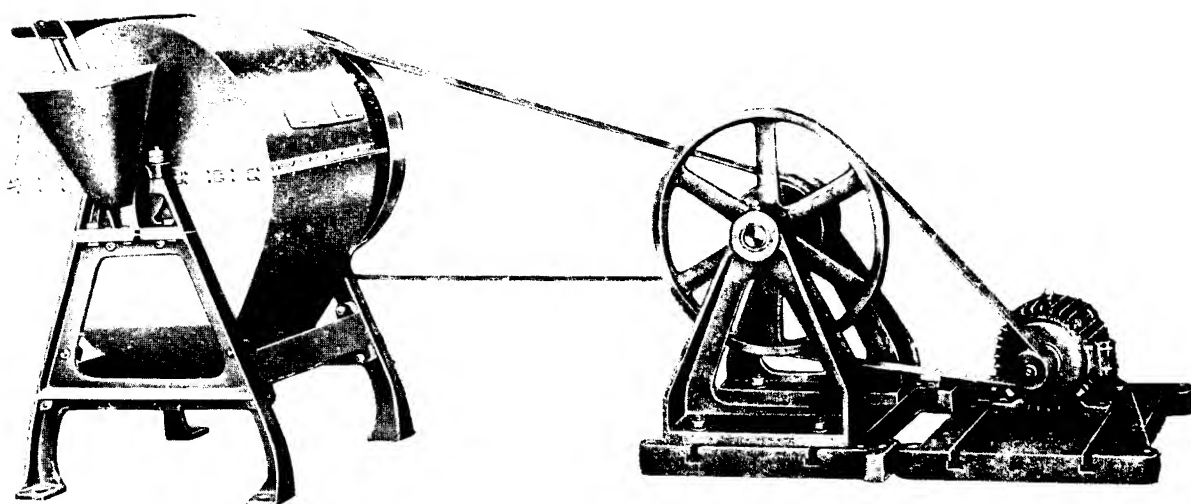
SHANGHAI OFFICE: 27 Chung Shan Road E I
Cable Address: MACHIMPORT Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: MACHINERY Canton

Ball Mill

MODEL 612-550X450

球 磨 機



中國機械進口公司

CHINA NATIONAL MACHINERY IMPORT CORPORATION

(IMPORT — EXPORT)

ER-LI-KOW, SHIH-CHIAO, PEKING, CHINA

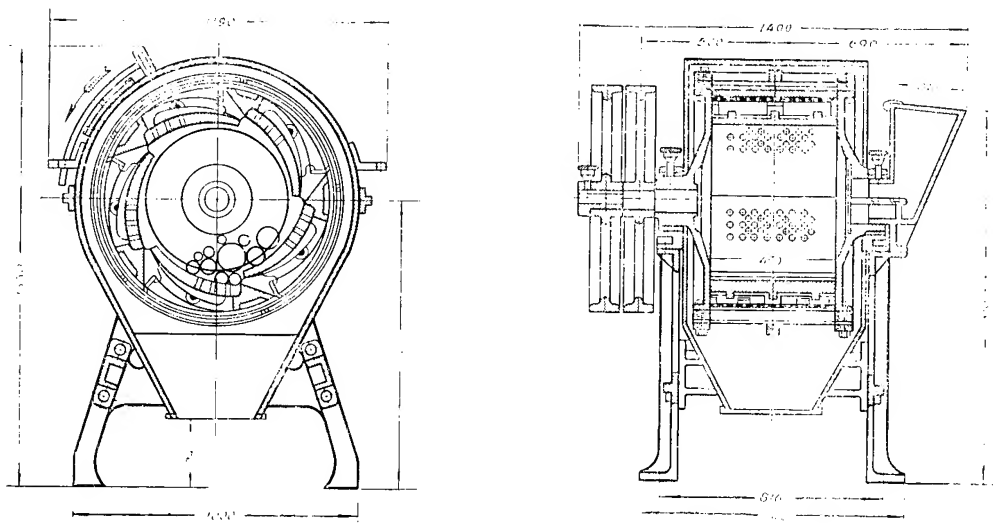
CABLE ADDRESS: "MACHIMPORT" PEKING

BALL MILL

Model 612 550x450

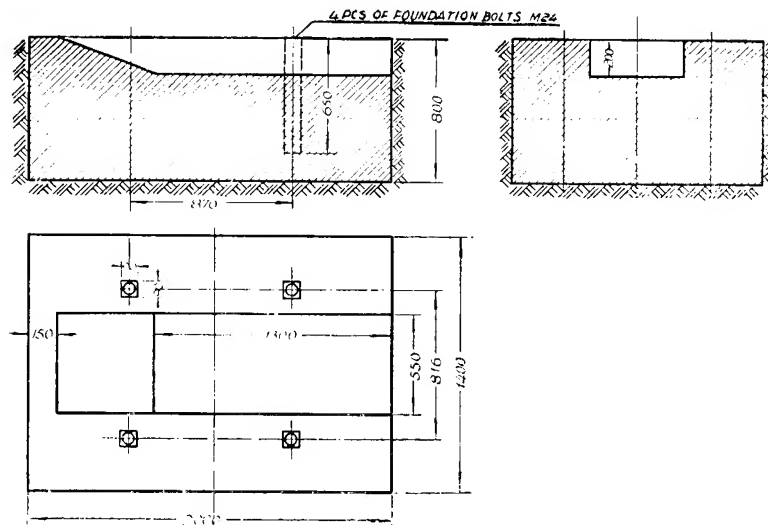
This Ball Mill type 151, equipped with screen, is used for grinding coal, coke, graphite, and clay. It is one of the foundry equipments.

The Mill comprises a drum rotating round a horizontal shaft. In the drum are steel balls and material to be ground. When the drum rotates, the steel balls are repeatedly brought up to a certain height, fall, and crush the material. The drum is composed of two discs and five segments which are assembled between the discs in staircase manner to form the drum surface. The material, having been ground, passes through the numerous holes in the segments onto the screen where it is sieved. The grains which are unable to pass through the screen are returned through space between the segments back to the drum.



SPECIFICATION

| | | |
|--------------------------------|-------|-------------------------------|
| Output | ..... | 75 kg./hr. |
| No. of holes in sieve | ..... | 500-600 holes/cm ² |
| Size of materials to be fed | ..... | Not bigger than 60-65 mm. |
| Quantity of materials per feed | ..... | 30-40 litres |
| Discharge interval | ..... | 20-30 min. |
| Drum speed | ..... | 40-45 rpm. |
| Ball diameters | ..... | 1½"; 1¾"; 2"; 2½"; 3"; 3½"; |
| Number of balls | ..... | 20; 15; 10; 10; 5; 5 pcs. |
| Weight of balls | ..... | 50 kg. |
| Motor | ..... | 1.7-2.8 KW. |
| Overall dimension (LxWxH) | ..... | 1400x1190x1550 mm. |
| Net weight | ..... | 880 kg. |

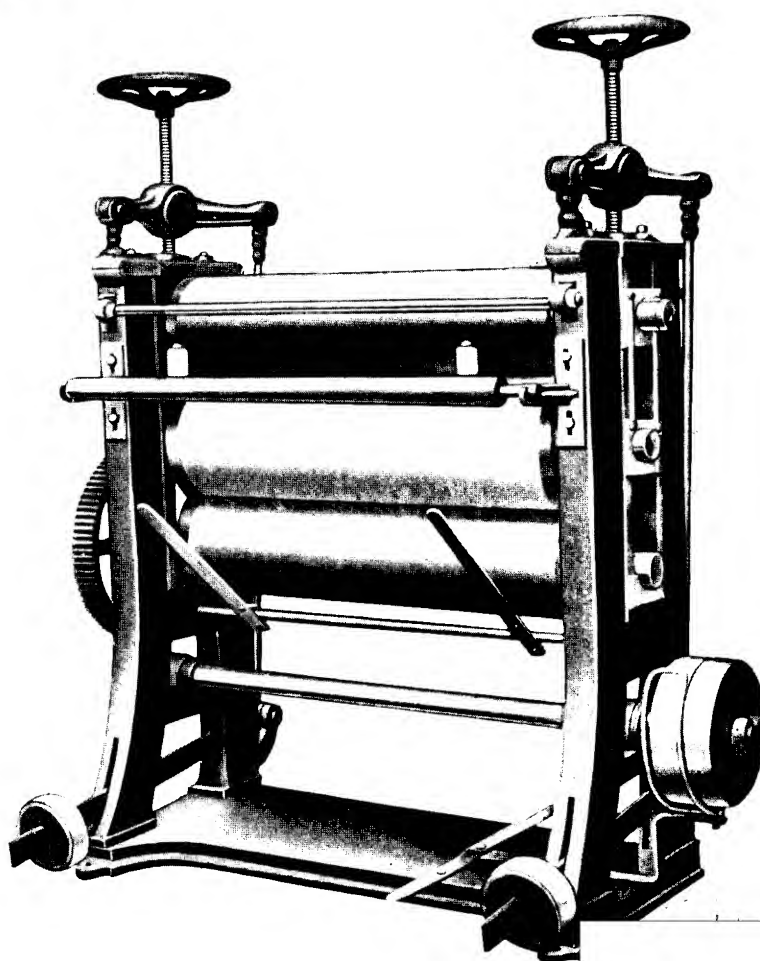


N.B. For improvement of the machine, we reserve the right to alter either the design or the specification.

BRANCHES

| | |
|-------------------------|---|
| TIENTSIN OFFICE: | 171 Chien Shien Road (Ho Si District) Cable Address: MACHIMPORT Tientsin |
| SHANGHAI OFFICE: | 27 Chung Shan Road E I Cable Address: MACHIMPORT Shanghai |
| CANTON OFFICE: | No. 2, West Bund Road, Canton Cable Address: MACHINERY Canton |

THREE BOWL *Calender*



25X1

蒸汽軋光機

中國運輸機械進口公司

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

蒸汽軋光機

THREE BOWL CALENDER

This calender is employed for the purpose of giving density and lustre to knitted fabrics, after which the fabrics are slitted and made into underwears.

Side frames and driving wheels are of robust construction. The upper bowl is made of chilled cast iron and steam heated, the middle bowl of paper, and the bottom bowl of chilled cast iron. The bearings of the bowls fit into the channel shaped side frames. The pressure on the bowls is obtained by means of lever and weights. By withdrawing the belt, the bearings may be pulled apart and the bowls released. The machine is driven by an electric motor through V-belts and provided with a friction clutch. It is necessary to install separately a spreading roller (with wooden floating strips) and also a winding roller.

The bearings for the bowls are brass bushed. See that they are properly lubricated.

| | | | | | | | | | |
|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|
| Width of Bowls | ... | ... | ... | ... | ... | ... | ... | ... | 40" |
| Bowl Speed | ... | ... | ... | ... | ... | ... | ... | ... | 75 rpm |
| Grooved Pulley of Calender | ... | ... | ... | ... | ... | ... | ... | ... | 13" pitch dia. |
| | | | | | | | | | 3 pcs. V-belt A-42 |
| Power Required | ... | ... | ... | ... | ... | ... | ... | ... | 3 HP |
| Production, Based on 8 hours | ... | ... | ... | ... | ... | ... | ... | ... | 3000 yards |
| Floor Space: Installation floor space | ... | ... | ... | ... | ... | ... | ... | ... | 2'0"×6'6" |
| | | | | | | | | | Working space required |
| | ... | ... | ... | ... | ... | ... | ... | ... | 8'0"×12'0" |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | Net 1090 lbs. approx. |
| | | | | | | | | | Gross 2590 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | ... | 64.52 cu. ft. approx. |

中國運輸機械進口公司

單捲筒十六版輪轉印報機 RP 1-64

本輪轉印刷機為適合一般每日銷數在 5 萬至 10 萬份報紙之大型報社使用，其印刷之規格與 RP1-32 相同，但印刷輥筒為四版寬，故在設計用料方面是經過週密的考慮，本機構造簡明，盡量避免複雜易損之機件，並且裝拆便利，各部管理機件甚易操縱。

本機設計週密裝有自動摺報機壹座及 45° 聯紙器一套，可將四大張報紙摺疊在一起或二大張一大張半一大張均可任意摺疊使用此為本機之最大特點。墨斗部份可任意調節墨色之濃淡，揩墨輥筒乃採用標準硬度之橡膠澆制，彈性耐久不受天氣冷熱之影響。本機可裝鉛版 16 塊，在一四版可套印紅色，所用捲筒紙之標準尺寸為 64" 但 62" 亦可應用。全部輥筒輥承均裝有避塵器，妥為保護，內部儲滿機油，機油消耗量極微。

本機之電氣設備能自動調節速度裝有 35 匹馬力快慢電動機一具發動全機，用電鈕可自動控制速度，停車時有電磁制動器等安全裝置，另有 5 匹馬力之電動機專為引紙之用，且附有手搖發動裝置。

主要規格：

| | |
|--------------|--|
| 最大印刷面積 |14¾" × 21" |
| 報紙尺寸 (64" 紙) | 22" × 32" |
| 印刷中心 | 14" |
| 印刷鉛版 |16 版 |
| 套色版數 | 8 版 |
| 鉛版厚度 |14 公厘 |
| 呢布厚度 | 5 公厘 |
| 輥筒速度：標準 | 12,500 轉/小時 |
| 最高 | 13,000 轉/小時 |
| 需要馬力： |35 匹 |
| 機器佔位： | 長 × 寬 × 高 (約) 5.3 公尺 × 4.5 公尺 × 2.65 公尺 |
| 機器重量： | (包括電氣設備) 29,500 公斤 |
| 毛重： | (包括電氣設備) 32,500 公斤 |
| 裝箱尺寸： | 46.5 立方公尺 |
| 附 件： | 澆鉛版機 (RD-14) 自動刮鉛版機 (RF-14) 熔鉛爐連幫浦 (RN-14) |

印刷性能：

| 出報張數 | 印刷版數 | 每小時產量(份) | 套色版數 | 捲筒紙 |
|-------|------|----------|------|-----|
| 半張 | 2 | 100,000 | 1 | 64" |
| 一大張 | 4 | 50,000 | 2 | 64" |
| 一張半 | 6 | 25,000 | 3 | 64" |
| 二套一張半 | 12 | 12,500 | 6 | 64" |
| 兩大張 | 8 | 25,000 | 4 | 64" |
| 四大張 | 16 | 12,500 | 8 | 64" |

單捲筒八版輪轉印報機 RP 1-32 型

本輪轉機為適合一般每日銷數在一萬至五萬份報紙之中小型報社之用，除印刷報紙外，尚可印刷書報及宣傳品等，整部機器之結構，以堅固耐用操作簡便為原則，工作地位寬暢，操縱機件之地位高度亦適中，便于管理及安裝，本機之印刷部牆板，採用新式拱形，全部機器之基本組織有二組鉛版輓筒及印刷輓筒，上部有套色設備，輓筒二端大軸承採用全封閉式，且有偏心調整機構，以便調整軸心之精密度及印刷壓力之用，輓筒長度為二版寬，本輪轉機配有无綫帶摺報器一座，報紙經三角板及摺報輓筒，摺成二次後，自動由綫帶送出，出報方式可分一大張（4版）二大張（8版）及兩半張（雙二版）有自動數報器，其記錄單位為25份或50份。

本輪轉機所用捲筒紙為單捲式紙寬標準為32"，但31"至34"紙均可應用，捲筒紙裝置有升降設備，既省力又省時，本機尾部有放大地位，使本機兩部在一起可接裝成為16版，雙捲筒輪轉機本輪轉機之動力設備為變速電動機一具，用按鈕遙控其速度，如遇緊急事故有電磁制動器保護機器安全。

技術資料：

| | |
|-------------|-----------------|
| 最大印刷面積 |14¾" × 21" |
| 報紙尺寸（用32"紙） |22" × 32" |
| 紙寬標準 |32" |
| 印刷中心 |14" |
| 常用鉛版 |8 |
| 套色鉛版 |4 |
| 鉛版厚度 |14公厘 |
| 呢布厚度 |5公厘 |
| 標準轉數 |12,500轉/小時 |

機器產量：

| 出報紙數 | 版 數 | 每小時產量（份） | 套色版數 | 捲筒紙寬度 | | | | |
|--------------|-----|----------|------|--------------|-----|-----|-----|-----------|
| 1/2 | 2 | 50,000 | 1 | 32" | | | | |
| 1 | 4 | 25,000 | 2 | 32" | | | | |
| 2 | 8 | 12,500 | 4 | 32" | | | | |
| 需要馬力： | | | | 20匹 | | | | |
| 機器佔位：（長×寬×高） | | | | 5×3.5×2.0 公尺 | | | | |
| 附屬設備： | | 烘版機 | 刮版機 | 澆版機 | 銑版機 | 熔鉛鍋 | 修版架 | |
| 全部重量： | | | | 包括附屬設備 | | | | 12,650公斤 |
| 毛 重： | | | | | | | | 15,250公斤 |
| 裝箱體積： | | | | | | | | 22.65立方公尺 |

中國運輸機械進口公司

單捲筒十六版輪轉印報機 RP 1-64

本輪轉印刷機為適合一般每日銷數在 5 萬至 10 萬份報紙之大型報社使用，其印刷之規格與 RP1-32 相同，但印刷輥筒為四版寬，故在設計用料方面是經過週密的考慮，本機構造簡明，盡量避免複雜易損之機件，並且裝拆便利，各部管理機件甚易操縱。

本機設計週密裝有自動摺報機壹座及 45° 聯紙器一套，可將四大張報紙摺疊在一起或二大張一大張半一大張均可任意摺疊使用此為本機之最大特點。墨斗部份可任意調節墨色之濃淡，揩墨輥筒乃採用標準硬度之橡膠澆制，彈性耐久不受天氣冷熱之影響。本機可裝鉛版 16 塊，在一四版可套印紅色，所用捲筒紙之標準尺寸為 64" 但 62" 亦可應用。全部輥筒輥承均裝有避塵器，妥為保護，內部儲滿機油，機油消耗量極微。

本機之電氣設備能自動調節速度裝有 35 匹馬力快慢電動機一具發動全機，用電鈕可自動控制速度，停車時有電磁制動器等安全裝置，另有 5 匹馬力之電動機專為引紙之用，且附有手搖發動裝置。

主要規格：

| | | |
|--------------|-------|---|
| 最大印刷面積 | ..... | 14¾" × 21" |
| 報紙尺寸 (64" 紙) | ..... | 22" × 32" |
| 印刷中心 | ..... | 14" |
| 印刷鉛版 | ..... | 16 版 |
| 套色版數 | ..... | 8 版 |
| 鉛版厚度 | ..... | 14 公厘 |
| 呢布厚度 | ..... | 5 公厘 |
| 輥筒速度：標準 | ..... | 12,500 轉/小時 |
| 最高 | ..... | 13,000 轉/小時 |
| 需要馬力： | ..... | 35 匹 |
| 機器佔位： | ..... | 長 × 寬 × 高 (約) 5.3 公尺 × 4.5 公尺 × 2.65 公尺 |
| 機器重量： | ..... | (包括電氣設備) 29,500 公斤 |
| 毛重： | ..... | (包括電氣設備) 32,500 公斤 |
| 裝箱尺寸： | ..... | 46.5 立方公尺 |
| 附 件： | ..... | 澆鉛版機 (RD-14) |
|  | ..... | 自動刮鉛版機 (RF-14) |
|  | ..... | 熔鉛爐連幫浦 (RN-14) |

印刷性能：

| 出報張數 | 印刷版數 | 每小時產量(份) | 套色版數 | 捲筒紙 |
|-------|------|----------|------|-----|
| 半張 | 2 | 100,000 | 1 | 64" |
| 一大張 | 4 | 50,000 | 2 | 64" |
| 一張半 | 6 | 25,000 | 3 | 64" |
| 二套一張半 | 12 | 12,500 | 6 | 64" |
| 兩大張 | 8 | 25,000 | 4 | 64" |
| 四大張 | 16 | 12,500 | 8 | 64" |

單捲筒八版輪轉印報機 RP 1-32 型

本輪轉機為適合一般每日銷數在一萬至五萬份報紙之中小型報社之用，除印刷報紙外，尚可印刷書報及宣傳品等，整部機器之結構，以堅固耐用操作簡便為原則，工作地位寬暢，操縱機件之地位高度亦適中，便於管理及安裝，本機之印刷部牆板，採用新式拱形，全部機器之基本組織有二組鉛版輥筒及印刷輥筒，上部有套色設備，輥筒二端大軸承採用全封閉式，且有偏心調整機構，以便調整軸心之精密度及印刷壓力之用，輥筒長度為二版寬，本輪轉機配有无綫帶摺報器一座，報紙經三角板及摺報輥筒，摺成二次後，自動由綫帶送出，出報方式可分一大張（4版）二大張（8版）及兩半張（雙二版）有自動數報器，其記錄單位為25份或50份。

本輪轉機所用捲筒紙為單捲式紙寬標準為32"，但31"至34"紙均可應用，捲筒紙裝置有升降設備，既省力又省時，本機尾部有放大地位，使本機兩部在一起可接裝成為16版，雙捲筒輪轉機本輪轉機之動力設備為變速電動機一具，用按鈕遙控其速度，如遇緊急事故有電磁制動器保護機器安全。

技術資料：

| | |
|-------------|-----------------|
| 最大印刷面積 |14¾" × 21" |
| 報紙尺寸（用32"紙） |22" × 32" |
| 紙寬標準 |32" |
| 印刷中心 |14" |
| 常用鉛版 |8 |
| 套色鉛版 |4 |
| 鉛版厚度 |14公厘 |
| 呢布厚度 |5公厘 |
| 標準轉數 |12,500轉/小時 |

機器產量：

| 出報紙數 | 版數 | 每小時產量（份） | 套色版數 | 捲筒紙寬度 |
|--------------|------------------|----------|------|-------|
| 1/2 | 2 | 50,000 | 1 | 32" |
| 1 | 4 | 25,000 | 2 | 32" |
| 2 | 8 | 12,500 | 4 | 32" |
| 需要馬力： |20匹 | | | |
| 機器佔位：（長×寬×高） |5×3.5×2.0公尺 | | | |
| 附屬設備： | 烘版機 | 刮版機 | 澆版機 | 銑版機 |
| | 熔鉛鍋 | 修版架 | | |
| 全部重量：包括附屬設備 |12,650公斤 | | | |
| 毛重： |15,250公斤 | | | |
| 裝箱體積： |22.65立方公尺 | | | |

500 噸液力壓紙版機 PH-II 型

使用說明:

本機為自動式液力壓紙版機，專為压制報社紙型節省人力，提高印刷質量，尤其是銅版畫刊，更能得到精美之印刷效果，用料高貴，構造精密，安全可靠，機身為長圓形整體球墨鑄鐵，上有半圓上平台，下有大小氣缸，活塞工作平台及全部動力及操作設備等。平台工作压力由一只壓力表用公斤 / 平方公分及噸位表示，操作用單獨手柄，半自動式管理，每壓一紙型 20 秒鐘即可。附有壓力計算表。

主要規格:

| | |
|------------|---|
| 機器最大壓力: | 500 噸 |
| 報版常用壓力: | 260—320 噸 |
| 最大工作面積: | 540 × 700 公厘 |
| 需要馬力: | 1½ 匹 |
| 機器佔位: | (長 × 寬 × 高) 1640 × 1000 × 1600 公厘 |
| 機器重量: (淨重) | 約 3,800 公斤 |
| (毛重) | 約 4,050 公斤 |
| 裝箱尺寸: | 約 2.66 立方公尺 |

電動澆鉛版機: RD-14 型

使用說明:

本機器專為快速省力澆鑄鉛版供給大中型輪轉機之用，常同 RN-14 熔鉛爐相聯，使用亦分左手式和右手式兩種任意選擇，在地面上用簡單水泥底腳安裝即可，機座中央有可轉動之內模圓筒，外有半圓形外模，兩邊有紙型軋，軋好紙型後，將外模推在圓筒上，即行拉下幫浦手扳壓入鉛熔液，內外模皆用水冷卻約二十秒鐘，鉛液凝固，開動機器，拉出外模，按上接合器，手扳圓筒帶鉛版旋轉邊有鋸刀，把鉛頭鋸去，再將外模合上，鉛版即被自動推出，如此連續澆第二版。

主要規格:

| | |
|-------|--|
| 鉛版尺寸: | 配合輪轉機規格設計 |
| 機器產量: | 每分鐘一版 |
| 需要馬力: | 7½ 匹 |
| 機器佔位: | (連熔鉛爐幫浦) 單組 (長 × 寬 × 高) 2 × 2.5 × 2 公尺 |
| 機器重量: | (連熔鉛爐幫浦) 單組 4,500 公斤 |

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設備專為配合大型輪轉機RP164及RP4-64型制張形鉛版之用，構造極為簡單，任何地位均可安置，有右手式左手式，任意選擇，爐圈爐灶爐門均用鑄鐵所制，中置圓形鉛鍋一只，爐子下部有爐柵，一般用烟煤即可，用煤極省，爐子頂部裝有泵浦一只，浸入鉛熔液內，活塞杆上連接手柄一只向下拉柄，鉛熔液即被活塞上壓鉛液經曲管噴出到達澆版機，每次可澆一塊鉛版。

附 件:

1200°C電偶高溫計..... 1 只
200 φ 公厘烟囪管 7 公尺長

主要規格:

鉛鍋容鉛量..... 2,600 公斤
泵浦容量..... 8,600 立方公分
爐柵面積..... 3,726 平方公分
應用燃料..... 烟 煤

自動刮鉛版機： RF-14

使用說明:

本機器為完全自動機床，配合 RD-14 型澆版機，成為報社必需之整體制版設備，在澆版機鑄出之毛坯鉛版，經本機床刮光內徑，成正確半圓形，厚度平均，適合輪轉輓筒之用，機床牆板呈微斜形，鉛版推入機床滑輪，經自動凸輪，進入刮模，即有刮刀轉動刮平內徑及毛頭，再經第二道凸輪鉛版沿滑道經過自動噴水箱冷卻及沖洗，再經第三道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉機，每台刮版機可供二台或三台澆版之用。

主要規格:

刮模直徑: 配合報機規格設計
刮刀軸轉數: 6 轉 / 分
刮版速度: 3 版 / 分
需要馬力: 5 匹
機床佔位: (長×寬×高) 3.7公尺×1公尺×1公尺
機床重量: 2,300 公斤

500 噸液力压紙版机 PH-II 型

使用說明:

本机为自动式液力压紙版机，專为压制報社紙型节省人力，提高印刷質量，尤其是銅版圖刊，更能得到精美之印刷效果，用料高貴，構造精密，安全可靠，机身为長圆形整体球墨鑄鐵，上有半园上平台，下有大小气缸，活塞工作平台及全部动力及操作设备等平台工作压力由一只压力表用公斤 / 平方公分及吨位表示，操作用单独手柄，半自动式管理，每压一紙型 20 秒鐘即可。 附有压力計算表。

主要規格:

| | |
|------------|--------------------------------|
| 机器最大压力: | 500 吨 |
| 報版常用压力: |260—320吨 |
| 最大工作面积: |540×700公厘 |
| 需要馬力: |1½ 匹 |
| 机器佔位: | (長×寬×高) 1640×1000×1600公厘 |
| 机器重量: (淨重) |約 3,800 公斤 |
| (毛重) |約 4,050 公斤 |
| 裝箱尺寸: |約2.66立方公尺 |

电动澆鉛版机: RD-14 型

使用說明:

本机器專为快速省力澆鑄鉛版供給大中型輪轉机之用，常同 RN-14 熔鉛爐相联，使用亦分左手式和右手式两种任意选择，在地面上用簡單水泥底脚安裝即可，机座中央有可轉动之內模园筒，外有半圆形外模，兩边有紙型軋，軋好紙型后，將外模推在园筒上，即行拉下帮浦手扳压入鉛熔液，內外模皆用水冷却約二十秒鐘，鉛液凝固，开动机器，拉出外模，按上接合器，手扳园筒帶鉛版旋轉边有鋸刀，把鉛头鋸去，再將外模合上，鉛版即被自动推出，如此連續澆第二版。

主要規格:

| | |
|-------|-------------------------------------|
| 鉛版尺寸: | 配合輪轉机規格設計 |
| 机器产量: | 每分鐘一版 |
| 需要馬力: | 7 ½匹 |
| 机器佔位: | (連熔鉛爐帮浦) 單組 (長×寬×高) 2×2.5×2公尺 |
| 机器重量: | (連熔鉛爐帮浦) 單組4,500公斤 |

熔鉛爐連鉛泵浦 RN-14 型号

使用說明:

本套熔鉛設備專為配合大型輪轉機RP164及RP4-64型制張形鉛版之用，構造極為簡單，任何地位均可安置，有右手式左手式，任意選擇，爐圈爐灶爐門均用鑄鐵所制，中置圓形鉛鍋一只，爐子下部有爐柵，一般用烟煤即可，用煤極省，爐子頂部裝有泵浦一只，浸入鉛熔液內，活塞杆上連接手柄一只向下拉柄，鉛熔液即被活塞上壓鉛液經曲管噴出到達澆版機，每次可澆一塊鉛版。

附 件:

1200°C電偶高溫計..... 1 只
200 φ 公厘烟筒管..... 7 公尺長

主要規格:

鉛鍋容鉛量..... 2,600 公斤
泵浦容量..... 8,600 立方公分
爐柵面積..... 3,726 平方公分
應用燃料..... 烟 煤

自动刮鉛版机： RF-14

使用說明:

本機器為完全自动机床，配合 RD-14 型澆版機，成為報社必需之整體制版設備，在澆版機鑄出之毛坯鉛版，經本机床刮光內徑，成正確半圓形，厚度平均，適合輪轉輓筒之用，机床牆板呈微斜形，鉛版推入机床滑輪，經自动凸輪，進入刮模，即有刮刀轉動刮平內徑及毛頭，再經第二道凸輪鉛版沿滑道經過自动噴水箱冷却及沖洗，再經第三道凸輪鉛版被毛刷刷清鉛屑又滑到停止地位即可裝于輪轉機，每台刮版機可供二台或三台澆版之用。

主要規格:

刮模直徑：.....配合報機規格設計
刮刀軸轉數：..... 6 轉 / 分
刮版速度：..... 3 版 / 分
需要馬力：..... 5 匹
机床佔位：..... (長×寬×高) 3.7公尺×1公尺×1公尺
机床重量：..... 2,300 公斤

印刷機器

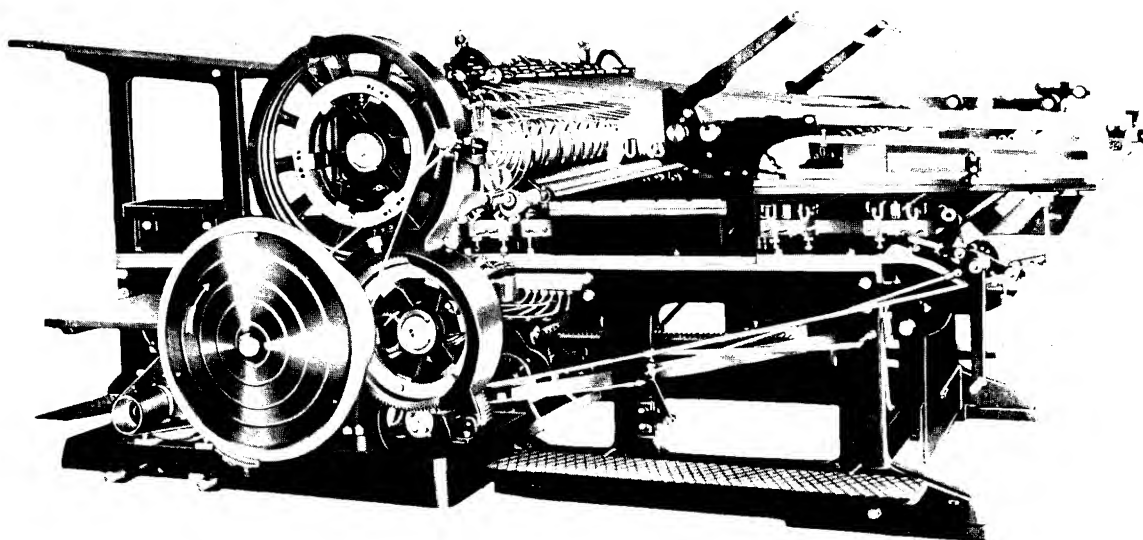
PRINTING MACHINERY



CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA C.A.B.I. ADD: TRANSMACH PEKING

雙迴轉緩衡式凸版機
TWO-REVOLUTION PRESS MODEL TRP
with Gripper-controlled Tape Delivery



This modern two revolution press embodies our latest improvement in work and design. Its strong construction ensures smooth working, perfect register and high output. Other features are: improved carriage drive with four roller tracks; pressure release, combined table and cylinder inking with three distributing rollers and four inking rollers; ink box with duct blade; air buffers ensuring steady working of the machine at the highest speed. The delivery adopted on this machine consists of tape system, the sheets being held by grippers on their travel from the cylinder to the pile. A very smooth and even pile is accomplished at any speed.

| | | |
|-----------------------------|-----|--|
| Model | ... | TRP |
| Sheet size | ... | 915 · 1220 mm (36" · 48") |
| Type Bed | ... | 934 · 1370 mm (36 $\frac{3}{4}$ " · 54") |
| Chase, inside measurement | ... | 890 · 1194 mm (35" · 47") |
| Type Matter locked in Chase | ... | 864 · 1170 mm (34" · 46") |
| Impressions per hour | ... | 2000 |
| Revolutions per Impression | ... | 12 |
| Installation Floor Space | ... | 2400 · 4500 mm (96" · 180") |
| Pulley, diam. · width | ... | 450 · 150 mm (18" · 6") |
| Motor | ... | 7.5 H. P. |
| Weight | ... | Net: 10 tons Approx. Gross: 12 $\frac{3}{4}$ tons Approx. |
| Shipping Space | ... | 14 cu. m. Approx. |

中國運輸機械進口公司

雙迴轉緩衝式凸版機 TRP 型

使用說明：

本机設計精密，構造新穎，印刷準確，產量甚高，印刷台面在四個油槽上行動給墨設備用三根打墨棍，及四個揩墨棍，並備有新式墨斗，台面下裝有空氣緩衝器，可使機器在高速運轉時工作平穩，排紙器系紗帶咬爪式。能堆疊整齊。

主要規格：

型 號：..... TRP
紙張尺寸：.....915×1220 公厘 (36"×48")
印台尺寸：.....934×1372公厘 (36 $\frac{3}{4}$ "×54")
字盤內圈尺寸：.....889×1194 公厘 (35"×47")
印刷面積：.....864×1168 公厘 (34"×46")
產 量：.....單面2000張 / 小時
裝置面積：.....2438×4572 公厘 (96"×180")
皮帶盤尺寸：直徑×寬.....457×152 公厘 (18"×6")
需要馬力：..... 7.5匹
重 量：(淨重).....約10噸
(毛重).....約12 $\frac{3}{4}$ 噸
裝箱尺寸：.....約14立方公尺



25X1

三色凸版机 PP-16 型

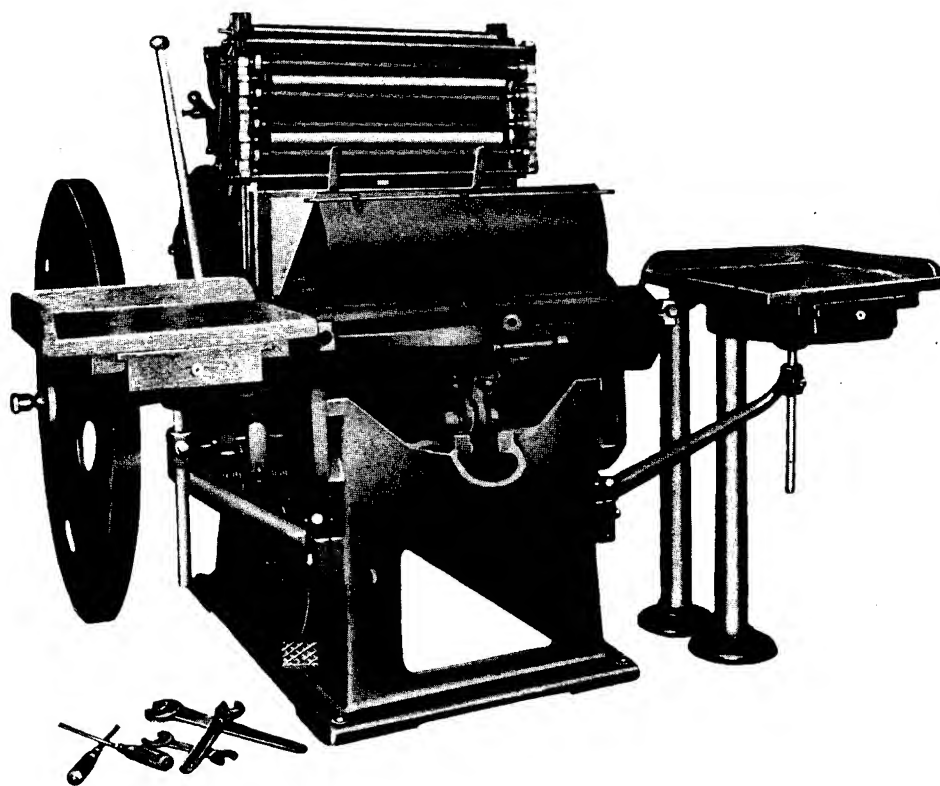
使用說明:

本机專印各种彩色刊物封面及凸版印刷工作，出品优良，該机底座与机架系鑄成一起，附有二个撐力杆，四个油墨滾筒等，其优点为生产力高，佔地小及用电省。

主要規格:

型 号: PP16
印刷面积: 400×548 公厘 ($15\frac{3}{4}'' \times 21\frac{1}{8}''$)
搖便平板尺寸: 419×600 ($16\frac{1}{2}'' \times 23\frac{5}{8}''$)
产 量: 單面 1560 張 / 每小时
裝置面积: 2032×1321 公厘 ($80'' \times 52''$)
皮帶盤尺寸: 徑 \times 寬 330×76 公厘 ($13'' \times 3''$)
需要馬力: 2 匹
重 量: (淨重) 約1500 公斤
(毛重) 約2000 公斤
裝箱尺寸: 3.8 立方公厘

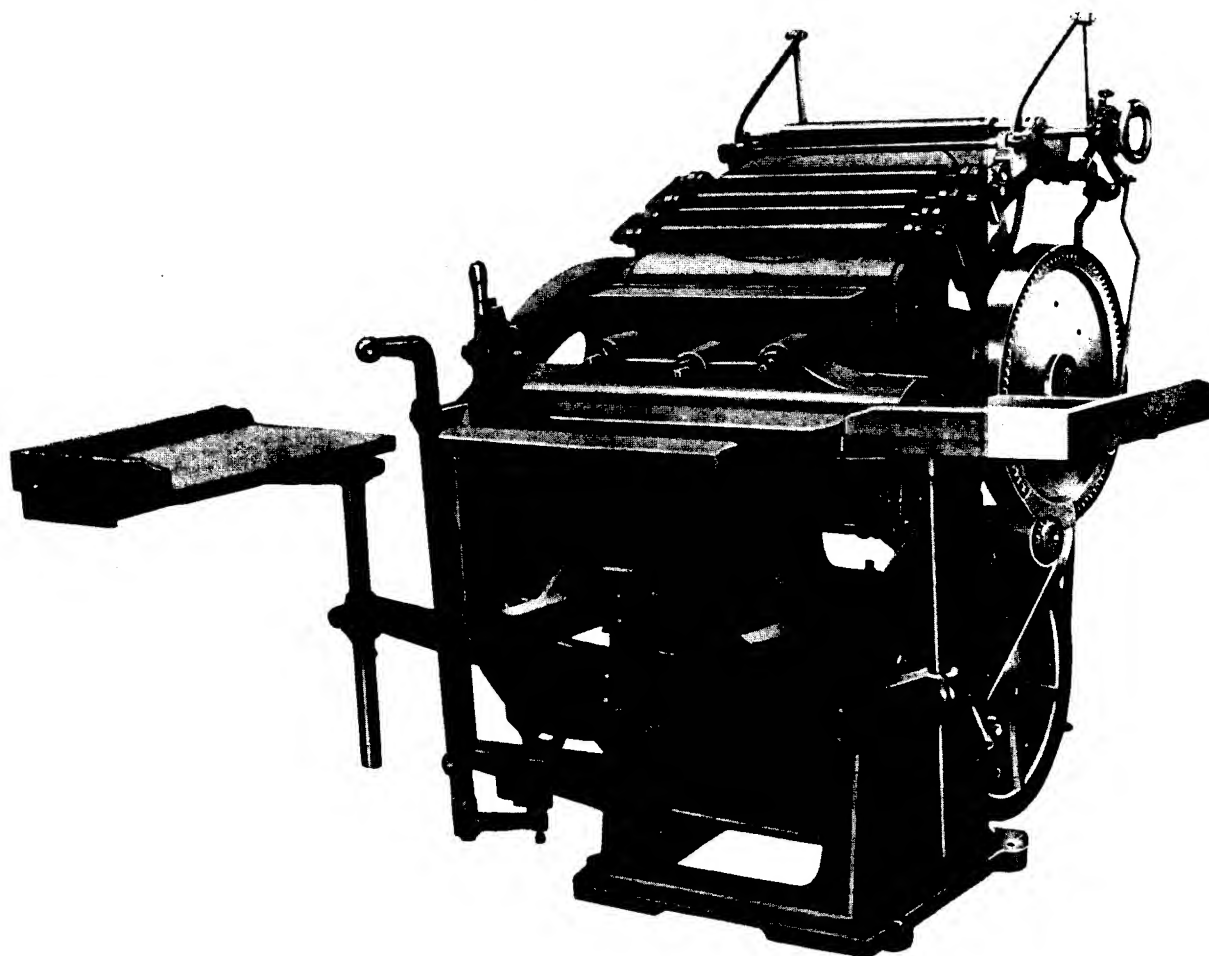
三色凸版機
PLATEN PRESS, MODEL PPI6



In introducing the platen press we provide a machine which produces finest tint work as well as ordinary job work at highest speed. Bed and frame are cast in one piece. The machine is furnished with two tension rods, cylindrical inking with four inking rollers, friction clutch and brake. Operation of this machine requires minimum power and space.

| | | |
|---------------------------|--------|--|
| Model | ... .. | PP 16 |
| Chase, inside measurement | ... .. | 394×560 mm (15½"×22") |
| Size of Platen | ... .. | 420×585 mm (16½"×23") |
| Impressions per Hour | ... .. | 1560 |
| Installation Floor Space | ... .. | 2032×1321 mm (80"×52") |
| Pulley, diameter×width... | ... .. | 330×75 mm (13"×3") |
| Motor | ... .. | 2 H. P. |
| Weight | ... .. | Net: 1500 kgs. Approx. Gross: 2000 kgs. Approx. |
| Shipping Space | ... .. | 3.8 cu. m. Approx. |

方 箱 印 刷 機 PLATEN PRESS, MODEL PPI4



This is a fine art platen press suitable for general job printing and also for half-tone and zinc block works. It is built with sturdy bed and frame, a single disc and self-inking apparatus, friction clutch and brake. It is capable of a wide range of printing, requiring minimum power and space.

| | | |
|---------------------------|--------|--|
| Model | ... .. | PP 14 |
| Chase, inside measurement | ... .. | 330 × 432 mm (13" × 17") |
| Size of Platen | ... .. | 355 × 508 mm (14" × 20") |
| Impressions per Hour | ... .. | 1260 |
| Installation Floor Space | ... .. | 1270 × 1880 mm (50½" × 74") |
| Motor | ... .. | 1 H. P. |
| Weight | ... .. | Net: 1,200 kgs. Approx. Gross: 1,500 kgs. Approx. |
| Shipping Space | ... .. | 3 cu. m. Approx. |

中國運輸機械進口公司

方箱印刷机 PP-14 型

使用說明:

本机一般印刷厂均甚适用，可用于凸版及各种铜锌版之印刷，底座与机架構造坚固，备有自动給墨设备等，其优点为佔地小，用电省，用途广。

主要規格:

型 号: PP14
印刷面积: 356×508 公厘 ($14'' \times 20''$)
搖使平版尺寸: 330×432 公厘 ($13'' \times 17''$)
产 量: 1260 張/每小时
裝置面积: 1283×1880 公厘 ($50\frac{1}{2}'' \times 74''$)
需要馬力: 1 匹
重 量: (淨重) 約1200 公斤
(毛重) 約1500 公斤
裝箱尺寸: 約 3 立方公尺

元 盤 机 PP-10 型

使用說明:

本机用單元盤調墨，構造堅固，印刷均衡，产品清晰。

主要規格:

- 型 号: PP10
- 印刷面积: }
- 字盤尺寸: } 254 × 381公厘 (10'' × 15'')
- 平版尺寸: 279 × 406公厘 (11'' × 16'')
- 产 量: 1200 — 1800 張/小时
- 裝置面积: 1422 × 1219公厘 (56'' × 48'')
- 重 量: (淨重) 約 530 公斤
- (毛重) 約 650 公斤
- 裝箱尺寸: 約 1.7 立方公尺



25X1

中國運輸機械進口公司

全張膠版機(鏈式) OFC 型

使用說明:

此機用途甚廣，可印圖片日曆商標書面等等，主要機構有鋅版滾筒，膠版滾筒，壓紙滾筒各一只，其尺寸均同，可單面印刷，套色準確，給墨裝置設計完善，印刷均勻，排紙設備系鏈式，可保證出品質量，其優點在產量高，佔地小，省電力，管理簡便，任何質地紙張均可應用。

主要規格:

型 號:OFC
印刷面積:864 × 1168 公厘 (34" × 46")
鋅版尺寸:991 × 1168 公厘 (39" × 46")
紙張尺寸:889 × 1219 公厘 (39" × 48")
橡皮布尺寸:1168 × 1168公厘 (46" × 46")
產 量:單面2280/2400張/小時
皮帶盤尺寸:直徑610公厘 (24")
需 要 馬 力:5 匹
裝 置 面 積:5225 × 2575公厘 (17'6" × 8'6")
重 量: (淨重).....約7420公斤
(毛重).....約8450公斤
裝 箱 尺 寸:約20立方公尺

对开膠版机 鏈式—OHC 棒式—OHF

使用說明:

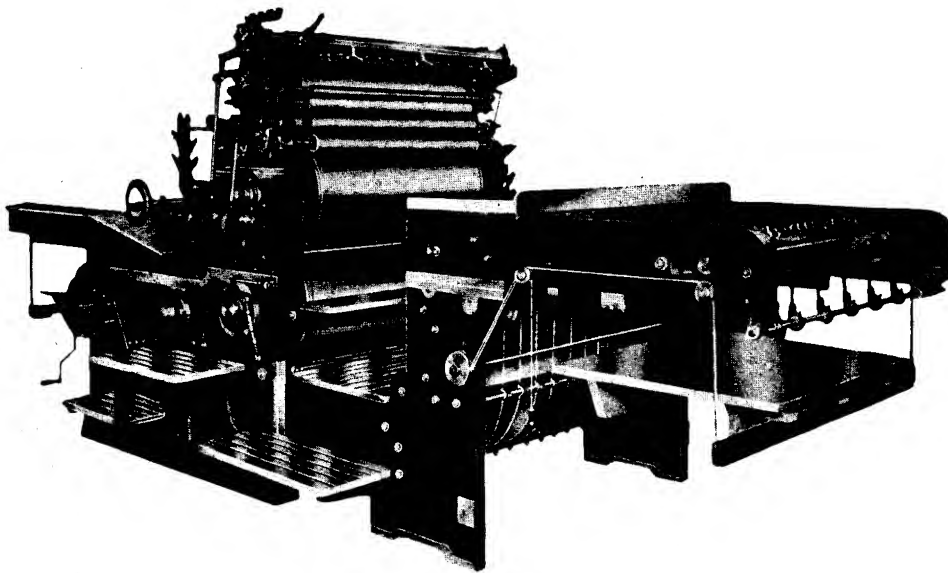
本机系完备之膠版印刷机，适合于各种类型之印刷厂。最大优点不論优劣紙張均能应用，且套色准确，品質高，产量大。备有棒式与鏈式。各型排紙設備，任凭选訂。

主要規格:

型 号:OHC 及 OHF
印刷面积:610×914公厘 (24"×36")
鋅版尺寸: 724×914 公厘 (28½"×36")
紙張尺寸:610×914公厘 (24"×36")
橡皮布尺寸:864×914公厘 (34"×36")
产 量:單面 2700 張/小时
皮帶盤尺寸:直徑559公厘 (22")
需要馬力: 3 匹
裝置面积:3048×2032公厘 (10'0"×6'8")
重 量: (淨重).....約3500公斤
(毛重).....約4360公斤
裝箱尺寸:約12立方公尺

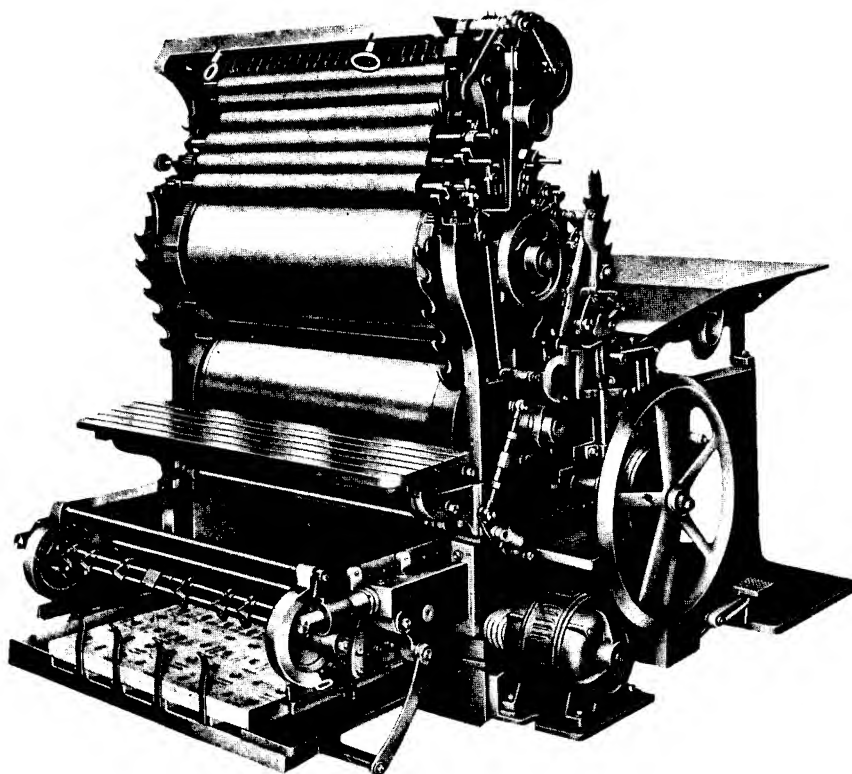
25X1

全 張 膠 版 機 鏈 式
SINGLE COLOUR OFFSET MACHINE, MODEL OFC
with Chain Gripper Delivery



Model OFC Offset Machine is recommended for any job work such as printing pictures, calendars, trade marks and book covers, etc. It is designed on the principle of three cylinders of equal sizes for single colour printing on one side. By means of an improved inking device, the composition is transferred to the zinc plate in a most simple manner. The machine is provided with chain gripper delivery which eliminates air agitation and ensures perfect register. Other special features are: high productivity, simplified operation, requiring minimum space and power, capable of using cheap and rough papers.

| | | | | | | | | |
|--------------------------|-------|-----|-----|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | ... | ... | ... | OFC |
| Printing Surface | ... | ... | ... | ... | ... | ... | ... | 865×1170 mm (34"×46") |
| Plate Size | ... | ... | ... | ... | ... | ... | ... | 990×1170 mm (39"×46") |
| Paper Size | ..... | ... | ... | ... | ... | ... | ... | 940×1220 mm (37"×48") |
| Blanket Size | ... | ... | ... | ... | ... | ... | ... | 1170×1170 mm (46"×46") |
| Production | ... | ... | ... | ... | ... | ... | ... | 2280/2400 sheets per hour on one side |
| Drive Ratio | ... | ... | ... | ... | ... | ... | ... | 5.5:1 |
| Pulley Size | ... | ... | ... | ... | ... | ... | ... | 600 mm (24") dia. |
| Motor | ... | ... | ... | ... | ... | ... | ... | 5 H. P. |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | ... | 5225×2575 mm (17'6"×8'6") |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net: 7420 kgs. Approx. Gross: 8450 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | 20 cu. m. Approx. |



Model OHC with Chain Gripper Delivery

對 開 膠

SINGLE COI MAC

This is a popular machine
ment, capable of handling intricate
paper. It is provided with either
delivery at buyer's option. Other
are: improved inking device, de
fect register.

Models

Printing Surface

Plate Size

Paper Size

Blanket Size

Production

Drive Ratio

Pulley Size

Motor

Installation Floor Space ...

Weight

Shipping Space

版 機 鏈 式
棒 式

OUR OFFSET CHINE

for any offset printing establish-
ate colour printing on any kind of
er flyer delivery or chain gripper
er unique features of this machine
nse and sharp impression and per-

OHF & OHC

610 \ 915 mm (24" \ 36")

725 \ 915 mm (28½" \ 36")

610 \ 915 mm (24" \ 36")

864 \ 915 mm (34" \ 36")

2700 sheets per hour on one side.

5:1

550 mm (22") dia.

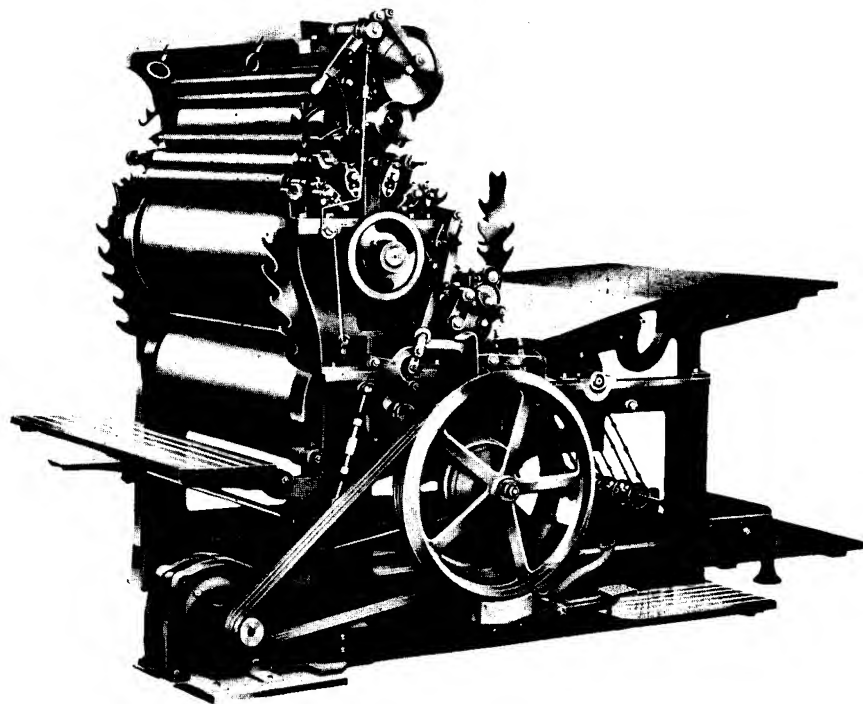
3 H. P.

3000 \ 2000 mm (10'0" \ 6'8")

Net: 3500 kgs. Approx.

Gross: 4360 kgs. Approx.

12 cu. m. Approx.

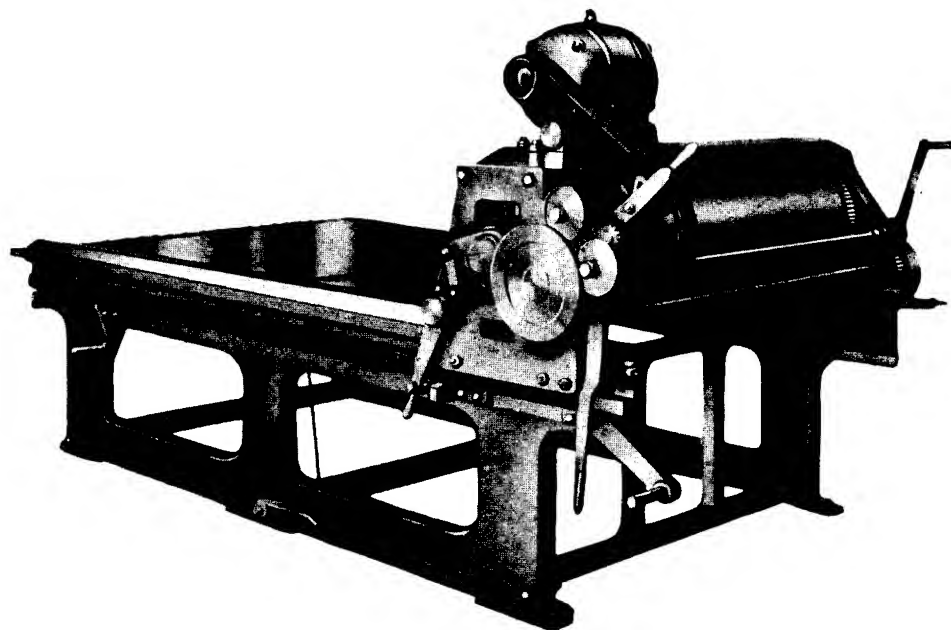


Model OHF with Flyer Delivery

全張
對開
機樣打版膠

OFFSET PROOF AND TRANSFER PRESS,
MODELS OPH & OPF

with cylinder running in geared toothed racks



This machine is designed for proof and transfers from lithostone and type matter on the offset zinc plate. Besides, the machine is eminently suitable for proofs on paper, tin, celluloid, thick card-board, etc.

The machine is furnished for electric drive.

| Models | ... | ... | ... | ... | ... | ... | OPH | OPF |
|--------------------------|-----|-----|-----|-----|-----|-----|------------------------------|------------------------------|
| Paper Size | ... | ... | ... | ... | ... | ... | 610×915 mm (24"×36") | 915×1220 mm (36"×48") |
| Working Trips per Minute | ... | ... | ... | ... | ... | ... | 2 | 2 |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | 3000×1800 mm (10'0"×6'0") | 3300×2150 mm (11'0"×7'2") |
| Motor | ... | ... | ... | ... | ... | ... | 2 H. P. | 3 H. P. |
| Net Weight | ... | ... | ... | ... | ... | ... | 2080 kgs. Approx. | 3615 kgs. Approx. |
| Gross Weight | ... | ... | ... | ... | ... | ... | 2384 kgs. Approx. | 4080 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | 2.65 cu. m. Approx. | 5 cu. m. Approx. |

中國運輸機械進口公司

膠版打樣機 OPH 及 OPF 型

使用說明:

膠版機之鋅版須先經本机打樣落版，方可上膠版機印刷，本机由電動機傳動。

主要規格:

| | | |
|----------------|--------------------|--------------------|
| 種類: |對 開: | 全 張: |
| 型 號: |OPH | OPF |
| 紙張尺寸: |610 × 914公厘 | 914 × 1219公厘 |
| | (24'' × 36'') | (36'' × 48'') |
| 裝置面積: |3048 × 1829公厘 | 3353 × 2185公厘 |
| | (10'0'' × 6'0'') | (11'0'' × 7'2'') |
| 需要馬力: |2 匹 | 3 匹 |
| 重 量: (淨重)..... | 約2080公斤 | 約3615公斤 |
| (毛重)..... | 約2384公斤 | 約4080公斤 |
| 裝箱尺寸: |約2.65立方公尺 | 約5立方公尺 |



磨 鋅 皮 机 GM 型

使用說明:

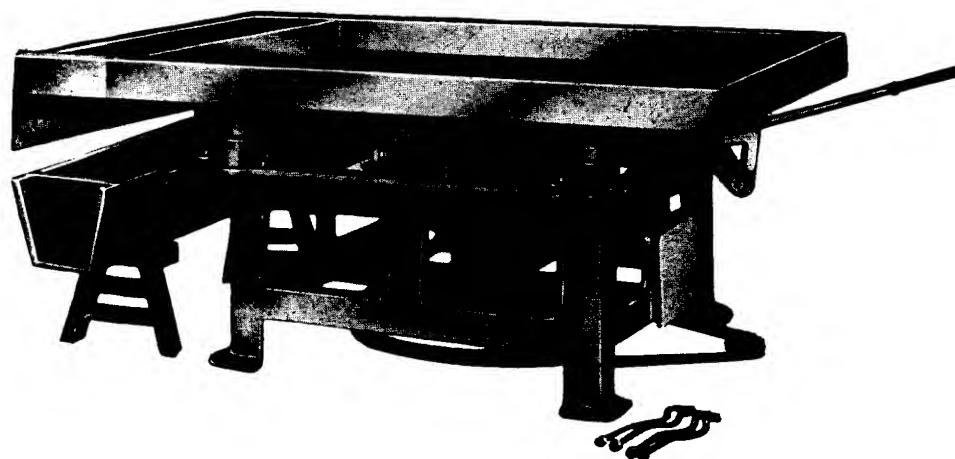
膠版印刷机之鋅版，經使用后，需經此机磨过，方可再用。使用本机时需玻璃、陶器制或鋼制磨球，任凭選購。

主要規格:

型 号: GM
机盤尺寸: 1727 × 1270 公厘 (68" × 50")
速度尺寸: 120 轉/分
裝置面积: 2032 × 1473 公厘 (80" × 58")
需要馬力: 1½ 匹
重 量: (淨重) 約1150 公斤
(毛重) 約1400 公斤
裝箱尺寸: 約3.6 立方公尺

磨 鋅 皮 機

ZINC PLATE GRAINING MACHINE,
MODEL GM

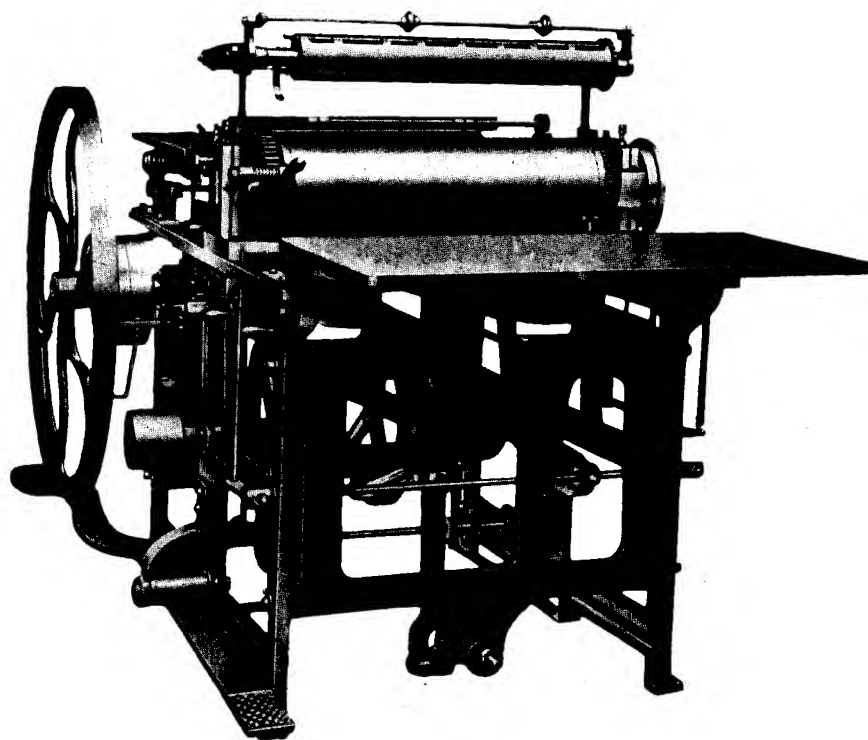


The machine is for cleaning and graining zinc plates for offset works. Glass, ceramic or steel marbles with sand are used, which may be supplied if required. It is directly driven by motor through vee belting.

| | | | | | | | | |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | ... | ... | ... | GM |
| Inside Measurement of Box | ... | ... | ... | ... | ... | ... | ... | 1730 × 1270 mm (68" × 50") |
| Speed | ... | ... | ... | ... | ... | ... | ... | 120 rpm |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | ... | 2000 × 1450 mm (80" × 58") |
| Motor | ... | ... | ... | ... | ... | ... | ... | 1½ H. P. |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net: 1150 kgs. Approx. Gross: 1400 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | 3.6 cu. m. Approx. |

四 開 鉛 印 機 CYLINDER JOB PRESS

with flyer delivery-Model CJQ



Model CJQ is a stop-cylinder letter-press for ordinary job work. Constructional features include: carriage drive by rod motion with 2 roller tracks; cylinder inking unit with 3 inking rollers; ink box with duct blade. Delivery cylinder is of the clear off type and the rotation of the impression cylinder is stopped by a handle.

Paper is fed by hand and delivered to the pile board by flyer system. The press is arranged for motor drive but at the same time it can be driven by a treadle.

| | | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|-----|------------------------|
| Model | ... | ... | ... | ... | ... | ... | CJQ |
| Sheet Size | ... | ... | ... | ... | ... | ... | 457×610 mm (18"×24") |
| Type Bed | ... | ... | ... | ... | ... | ... | 483×635 mm (19"×25") |
| Chase, inside measurement | ... | ... | ... | ... | ... | ... | 457×610 mm (18"×24") |
| Type matter locked in Chase | ... | ... | ... | ... | ... | ... | 445×597 mm (17½"×23½") |
| Impressions per Hour | ... | ... | ... | ... | ... | ... | 1500—1800 |

Flywheel Revolutions per Impression:

| | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|--------------------------|
| Installation Floor Space | ... | ... | ... | ... | ... | ... | 1800×1250 (72"×50") |
| Pulley Diam.×Width | ... | ... | ... | ... | ... | ... | 300×50 mm (12"×2") |
| Weight | ... | ... | ... | ... | ... | ... | Net: 1100 kgs. Approx. |
| | | | | | | | Gross: 1500 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | 3 cu. m. Approx. |

中國運輸機械進口公司

四开鉛印机 CJQ 型

使用說明:

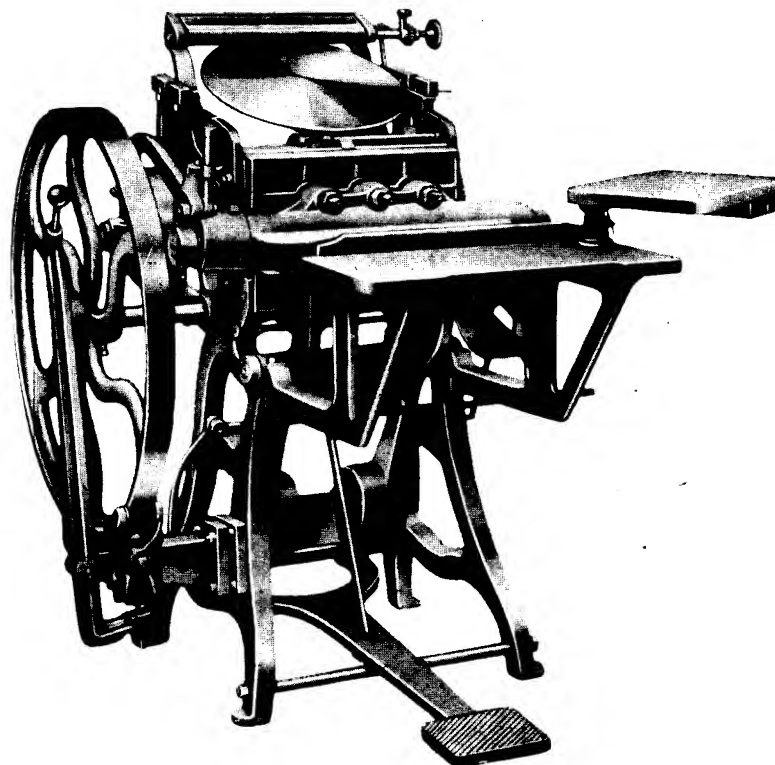
本鉛印机系停筒活字式，为普通印刷之用。其主要構造，导墨装置为槓桿傳动，墨箱有导管刀片，能使墨色調和均匀，台动灵活，印品精良，本机可由手柄停止。

其傳动方式：既可使用电力，又可用人力脚踏，适合高速度生产，誠为一般印刷界人士所贊許。

主要規格:

| | |
|---------------|----------------------------------|
| 型 号: | CJQ |
| 紙張尺寸: |457 × 610公厘 (18" × 24") |
| 印台尺寸: |483 × 635公厘 (19" × 25") |
| 字盤內圈尺寸: |445 × 597公厘 (17½" × 23½") |
| 印刷面积: |432 × 584公厘 (17" × 23") |
| 产 量: |1500 — 1800張 / 小时 |
| 裝置面积: |1829 × 1270公厘 (72" × 50") |
| 皮帶盤尺寸: 直徑 × 寬 |305 × 51公厘 (12" × 2") |
| 重 量: (淨重) |約1100公斤 |
| (毛重) |約1500公斤 |
| 裝箱尺寸: |約 3 立方公尺 |

大 二 號 元 盤 機
PLATEN PRESS MODEL PP10
for treadle drive



This model has a strongly built vertical bed, a single disc and self-inking apparatus for perfect inking distribution. It is equipped with a device for regulating and throwing off impressions in any position of the platen.

| | | | | | |
|---------------------------|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | PP10 |
| Chase, inside measurement | ... | ... | ... | ... | 254×381 mm (10"×15") |
| Size of Platen | ... | ... | ... | ... | 279×406 mm (11"×16") |
| Impressions per Hour | ... | ... | ... | ... | 1200 to 1800 |
| Installation Floor Space | ... | ... | ... | ... | 1422×1219 mm (56"×48") |
| Weight | ... | ... | ... | ... | Net: 530 kgs. Approx. Gross: 650 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | 1.7 cu. m. Approx. |



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輪轉印報機

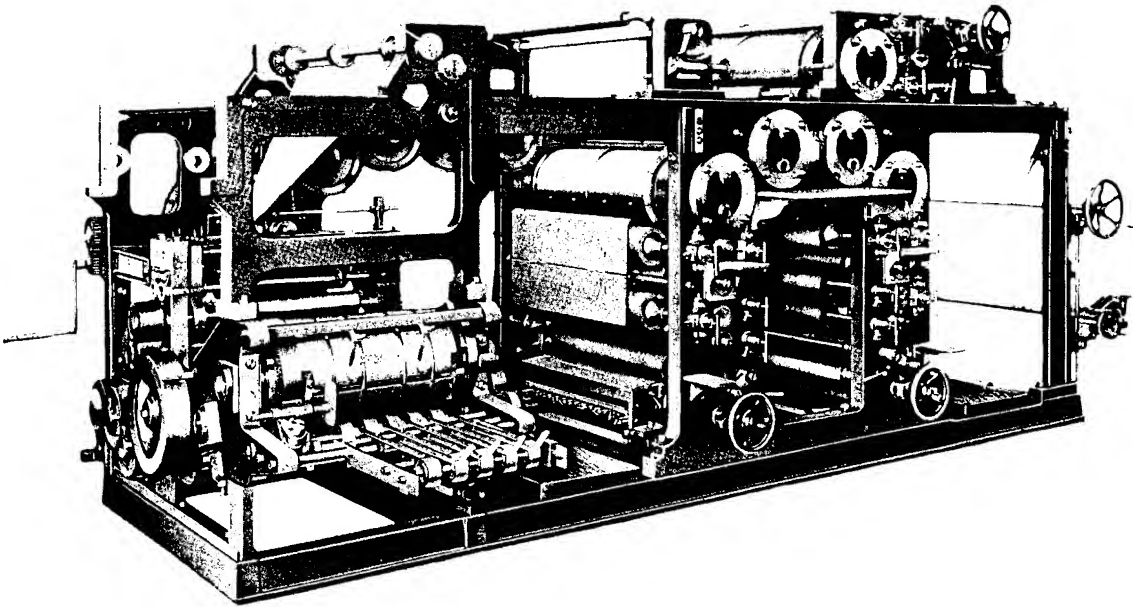
ROTARY
PRINTING
MACHINES

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADD: TRANSMACH PEKING

單捲筒八版輪轉印報機

ROTARY PRINTING MACHINE



UNI-REEL 8-PAGE NEWSPAPER ROTARY PRESS

Model RPI-32

This Rotary Press is designed for printing 10,000 to 50,000 copies of newspapers daily. It is also adaptable to book and job printings. Rigidity in construction and simplicity in operation are its essential features. Its main frame is of the arch type which provides ample working space, and its parts are arranged within convenient reaches of the worker.

This press is composed of two printing units and a second colour unit which is fixed on the top. The oil ring lubricated bearings of the cylinder are completely enclosed. An eccentric mechanism is provided for adjusting the centre of the shaft to ensure printing accuracy and correct pressure. The length of the cylinder is equal to the width of two plates.

The press is complete with one tapeless folder. Each complete issue of the newspaper will be automatically folded into two plaits by means of the folding triangles and cylinders and sent out of the rotary press in consecutive order through its tape delivery. A counter

with recording marks for every 25 copies or 50 copies of newspapers delivered, is attached to the press for purpose of computation.

The press takes a single paper reel of 32" width, but reels from 31" up to 34" are also adaptable. Lifting device for paper reel is provided to save work and time. Another convenient feature is that two such presses can be connected together to convert into a two-reel 16 page press.

The electric drive consists of a variable speed A.C. commutator motor with remote control of speed by push buttons.

In case of emergency an electro-magnetic brake automatically stops the machine.

Technical data:

| | | |
|---|--------------------|---------------------------------|
| Maximum Printing Surface | ... .. | 14 $\frac{3}{4}$ " \times 21" |
| Size of 4-page Copy (with 32" width reel) | ... .. | 22" \times 32" |
| Standard Width of Paper Reel | ... .. | 32" |
| Printing Diameter | ... .. | 14" |
| Number of Plates | ... .. | 8 pcs. |
| Number of Plates for sceond colour | ... .. | 4 pcs. |
| Thickness of Plates: | ... .. | 14 mm. |
| Thickness of Blanket | ... .. | 5 mm. |
| Standard Speed | ... .. | 12,500 cyl r/h |
| Output: | Average as follows | |

| No. of sheets per copy | No. of page | copies hour | No. of pages with colour | Width of reel |
|------------------------|-------------|-------------|--------------------------|---------------|
| $\frac{1}{2}$ | 2 | 50,000 | 1 | 32" |
| 1 | 4 | 25,000 | 2 | 32" |
| 2 | 8 | 12,500 | 4 | 32" |

Power Required 20 H.P.

Overall Dimension length 5 \times width 3.5 \times height 2 m.

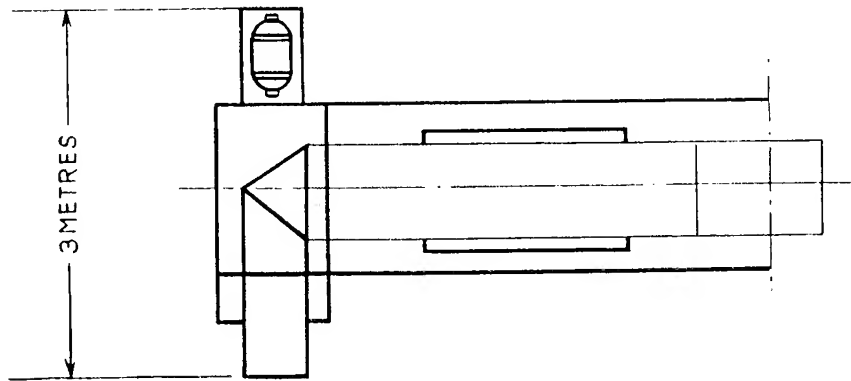
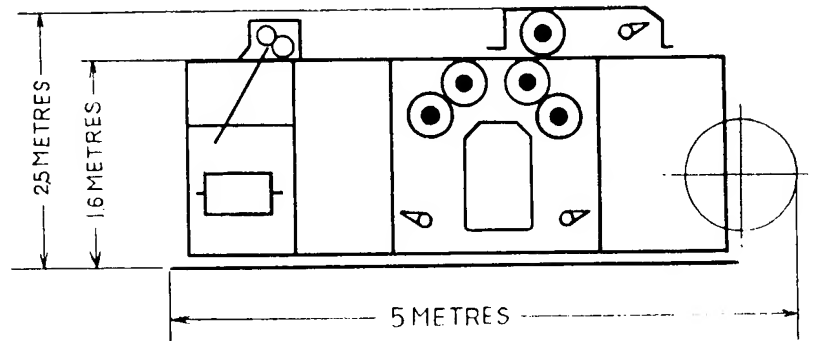
Standard Equipment includes one each of:

| | |
|---------------------------------|------------------------------|
| 1-Matrix Moulding Press | 1-Router with Electric Drive |
| 1-Oscillating Cup Casting Plant | 1-Shaver for Curved Stereos |
| 1-Melting Pot | 1-Trimming Apparatus |

Total Weight (including stereotyping set and electric equipment) 12,650 kgs. approx.

Gross Weight 15,250 kgs. approx.

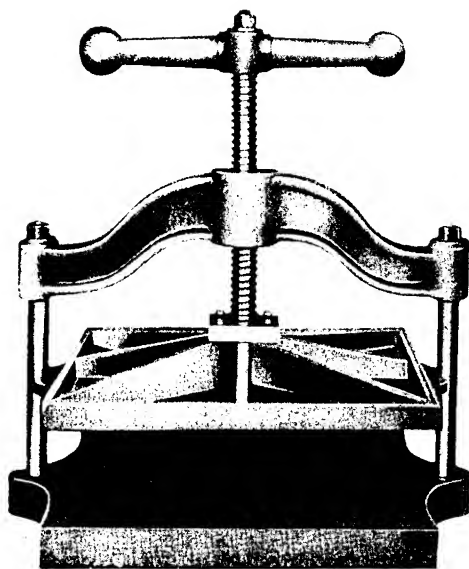
Shipping Space 22.65 cu. m. approx.



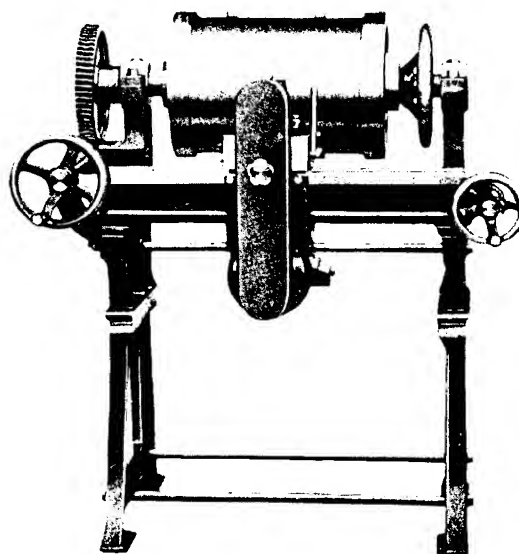
OVERALL DIMENSION

25X1

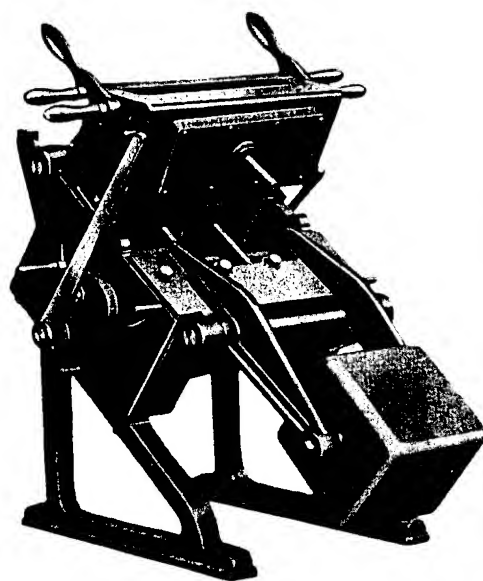
STANDARD EQUIPMENT



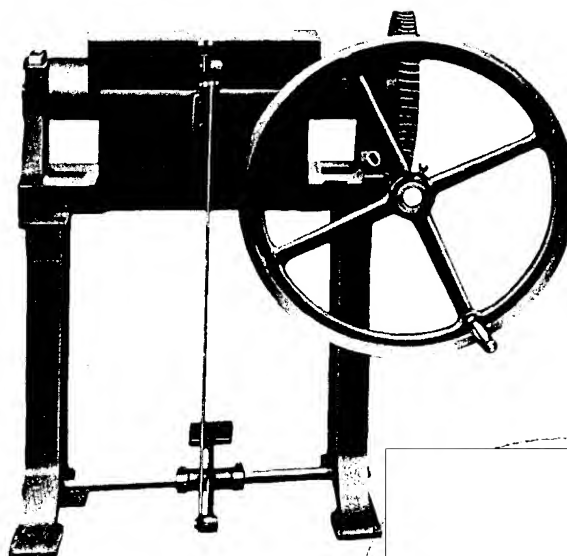
烘版機
Matrix Moulding Press



銑版機
Router with electric drive



澆版機
Oscillating Cup Casting Plant



刮版機
Shaver for curved stereos

25X1



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25X1

印刷廠設備



Printing Press
Equipment

25X1

中國運輸機械進

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

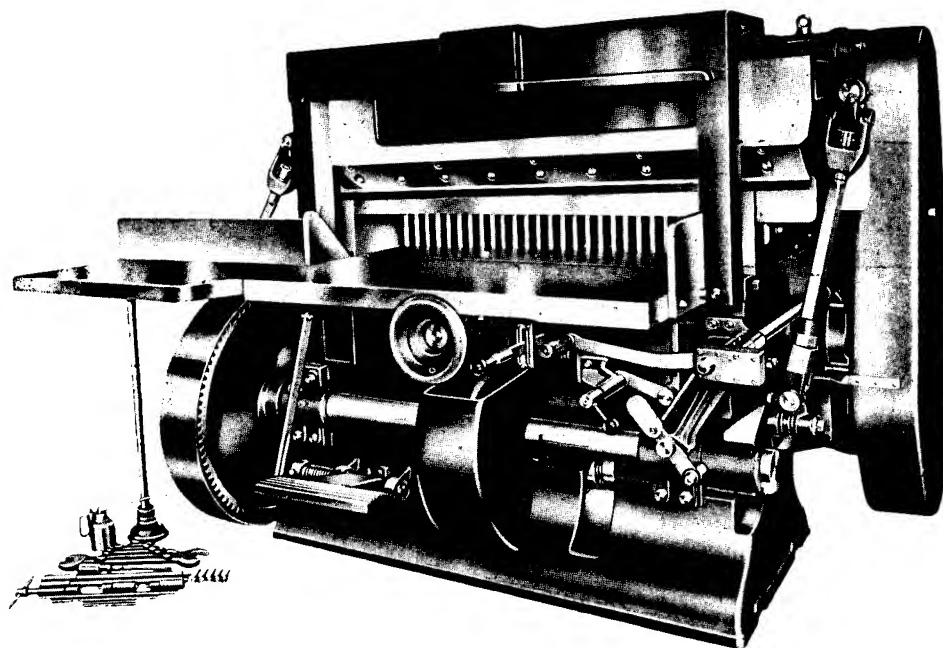
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

自 動 切 紙 機

AUTOMATIC PAPER CUTTING MACHINE
MODEL PC50

This machine is especially suitable for large factories desirous of having a modern machine of high output. Clamping of the material, cutting and raising of the knife take place automatically. The automatic clamping device acts immediately after the machine has been started; it transmits pressure upon the full depth of the pile. Mechanical forward and backward movements of the back gauge are controlled by a lever. The exact distance between the knife and the back gauge is indicated by a cutting space indicator which, in conjunction with the side gauge on the front table, facilitates feeding and ensures perfect square cut. The main shaft is equipped with a multi-disc clutch, by means of which the cutting pressure can be regulated. The machine is driven by an electric motor, all driving belts being effectively guarded.

| | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|---|
| Model | ... | ... | ... | ... | ... | ... | PC50 |
| Length of Cut | ... | ... | ... | ... | ... | ... | 1270 mm (50") |
| Height of Cut | ... | ... | ... | ... | ... | ... | 130 mm (5-1/8") |
| Time per Cut | ... | ... | ... | ... | ... | ... | 4 seconds |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | 2450×2600 mm (98"×104") |
| Motor | ... | ... | ... | ... | ... | ... | 5 H. P. |
| Weight | ... | ... | ... | ... | ... | ... | Net : 3600 kgs. Approx. Gross: 4300 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | 11 cu. m. Approx. |

中國運輸機械進口公司

自動切紙機 PC 50 型

使用說明:

此項切紙機適合于大型印刷和裝訂工廠之用，其產量甚高，壓紙切紙及切刀升降均系自動。開車后壓紙設備即進行工作，壓力均勻，并裝有機動規尺，可以前后移動。刀片與規尺間之距離，由刻度表指明。該表與側面之規尺聯合使用，俾使切紙準確。

本机主軸附有多片式离合器可用来調整切紙壓力。

本机由电动机傳動，皮帶有防護罩，以策安全。

主要規格:

型 号: PC50
切紙寬度: 1270 公厘 (50")
切紙高度: 130 公厘 (5 $\frac{1}{8}$ ")
每刀時間: 4 秒
裝置面積: 2489 × 2642 公厘 (98" × 104")
需要馬力: 5 匹
重 量: (淨重) 約3600公斤
(毛重) 約4300公斤
裝箱尺寸: 約11立方公尺

25X1

对开切紙机 PC-36 型

使用說明:

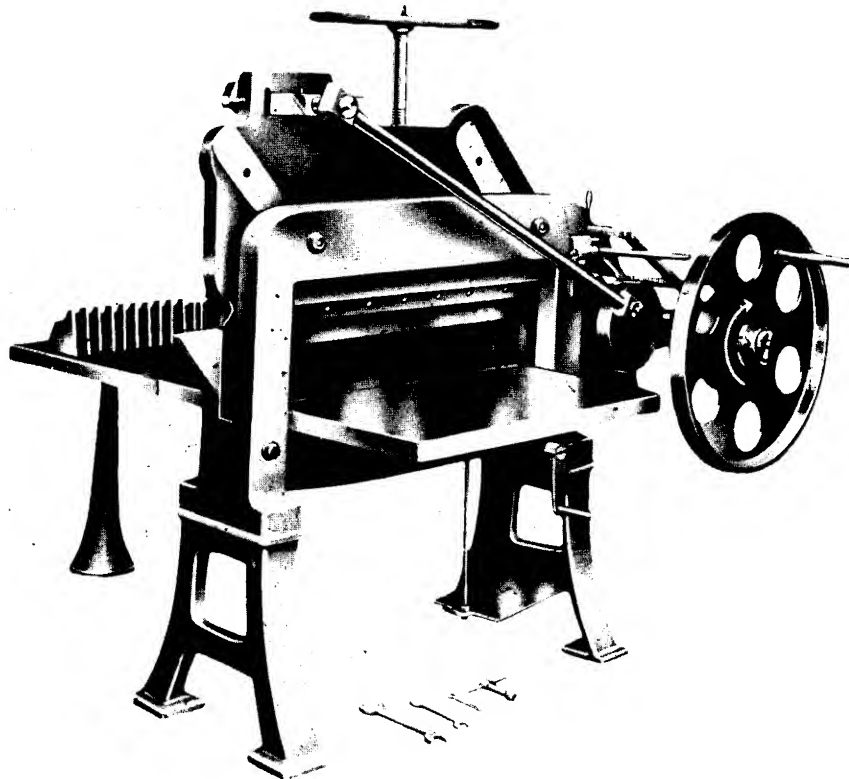
本机可用电力傳动或由人工操作，構造坚固，产量甚高，切刀在最高位时，能自动分离，夾刀器由兩槓桿操作，工作台高低可調节使用，压紙設備以手輪操作，本机适用于中小型切紙工厂。

主要規格:

型 号: PC36
切紙長度: 914公厘 (36")
切紙高度: 130公厘 (5 $\frac{1}{8}$ ")
台面尺寸: 1080 × 927公厘 (42 $\frac{1}{2}$ " × 36 $\frac{1}{2}$ ")
裝置面积: 2083 × 2438公厘 (82" × 96")
重 量: (淨重) 約1100公斤
(毛重) 約1400公斤
裝箱尺寸: 約 2.5 立方公尺

對 開 切 紙 機

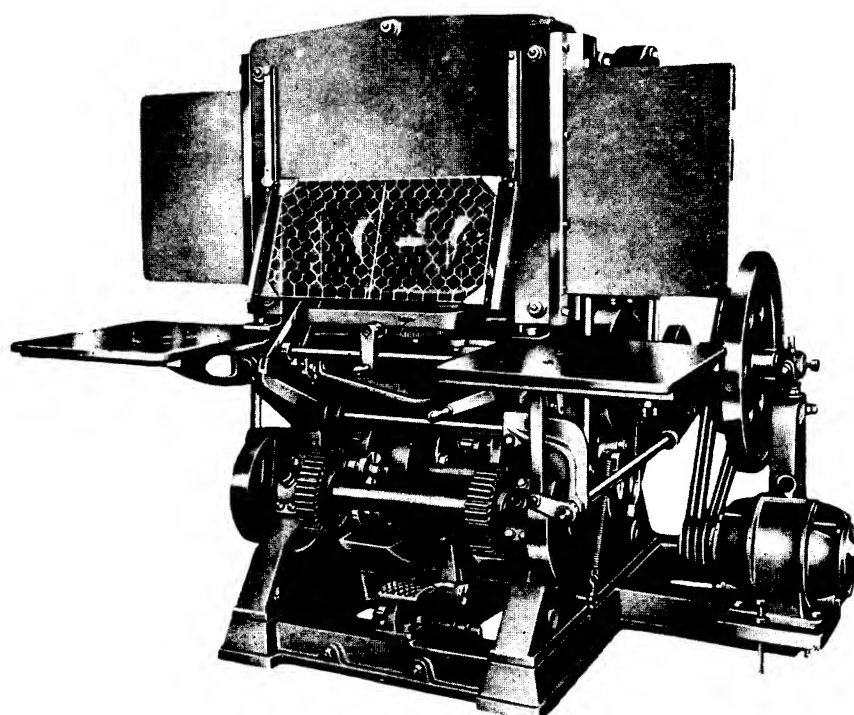
PAPER CUTTING MACHINE, MODEL PC36



This machine is so arranged that it can be driven either by hand or by power. It is of sturdy construction and has a high production capacity. The knife is automatically disengaged at its highest position. The knife holder is provided with double side connecting rods for diagonal cutting. The height of the table can be adjusted to avoid under or over cutting. The back gauge is adjusted by means of spindle and crank. The pressing beam is operated by a hand wheel. For power drive, an electric motor of $1\frac{1}{2}$ H.P. is required. Starting and stopping of the machine are effected by a coupling clutch operated by a hand lever. This model is constructed for small enterprise, but can be utilized as a good auxiliary machine in large printing establishments.

| | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | ... | ... | PC 36 |
| Length of Cut | ... | ... | ... | ... | ... | ... | 915 mm (36") |
| Height of Stack | ... | ... | ... | ... | ... | ... | 130 mm (5-1/8") |
| Table Surface | ... | ... | ... | ... | ... | ... | 1070 x 915 mm (42 1/2" x 36 1/2") |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | 2060 x 2400 mm (82" x 96") |
| Weight | ... | ... | ... | ... | ... | ... | Net: 1100 kgs. Approx. Gross: 1400 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | 2.5 cu. m. Approx. |

三 面 切 紙 機 THREE KNIFE BOOK TRIMMING MACHINE, MODEL BT



This machine is very popular to book-binding factories. It continuously trims stacks of paper, books, etc. on three sides. The automatic clamping device acts before the cutting operation; it transmits pressure on the entire top surface of the pile. The adjustment of the side-knives and of the back gauge, which becomes necessary for trimming a pile of another size, can be made in the most simple manner. Forme plates of different sizes can be supplied at buyers' option. The cutting zone is protected with guard screen so that the machine is accident proof.

| | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|---|
| Model | ... | ... | ... | ... | ... | BT |
| Number of Cutting Knives | ... | ... | ... | ... | ... | 3 |
| Time of each Cutting | ... | ... | ... | ... | ... | 10 seconds |
| Minimum Size to be cut | ... | ... | ... | ... | ... | 51×78 mm (2"×3 $\frac{1}{8}$ ") |
| Maximum Size to be cut | ... | ... | ... | ... | ... | 254×406 mm (10"×16") |
| Height of Stack | ... | ... | ... | ... | ... | 57 — 132 mm (2 $\frac{1}{4}$ " — 5 $\frac{1}{4}$ ") |
| Installation Floor Space | ... | ... | ... | ... | ... | 2200×2100 mm (88"×84") |
| Motor | ... | ... | ... | ... | ... | 3 H. P. |
| Weight | ... | ... | ... | ... | ... | Net: 3500 kgs. Approx. Gross: 3800 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | 9.2 cu. m. Approx. |

中國運輸機械進口公司

訂書機 WSP 型

使用說明：

本机專供訂書之用，系電力傳動或由腳踏操作。訂書時用圓形鋼絲，工作方便。

主要規格：

型 号： WSP
可訂厚度： 200 頁報紙
騎馬釘長度： 127" (1/2)
最高產量： 120 釘/分
裝置面積： 686 × 711 公厘 (27" × 28")
需要馬力： 1 匹
重 量： (淨重) 約 160 公斤
(毛重) 約 230 公斤
裝箱尺寸： 約 1 立方公尺

油 泵 拖 紙 機 LT 型

使用說明:

本机操作敏捷簡便，印刷厂用以輸送紙張可增加生产。減低成本。

主要規格:

型 号: LT
最高載重量:750公斤 (1650磅)
尺 寸: 965 × 470 × 165 公厘
(38" × 18½" × 6½")
重 量: (淨重).....約 118 公斤
(毛重).....約 140 公斤
裝箱尺寸:約 .25立方公尺

中國運輸機械進口公司

三面切紙機 BT 型

使用說明:

本机專供裝訂書籍和各种雜誌刊物等，可連續修切整齊，在未切之前以压紧器自动压紧工作物，运用自如。

切紙尺寸可由台面規尺示明，側面刀片隨意調節，使用簡便，切紙部份有防護設備以策安全。

主要規格:

型 号: BT
刀 数: 3 把
每切時間: 10秒
切紙最小尺寸: 51×89 公厘 ($2'' \times 3\frac{1}{2}''$)
切紙最大尺寸: 305×406 公厘 ($12'' \times 16''$)
切紙高度: $57 - 130$ 公厘 ($2\frac{1}{4}'' \times 5\frac{1}{4}''$)
裝置面积: 2235×2134 公厘 ($88'' \times 84''$)
需用馬力: 3 匹
重 量: (淨重) 約 3500公斤
(毛重) 約 3800公斤
裝箱尺寸: 9.2立方公尺



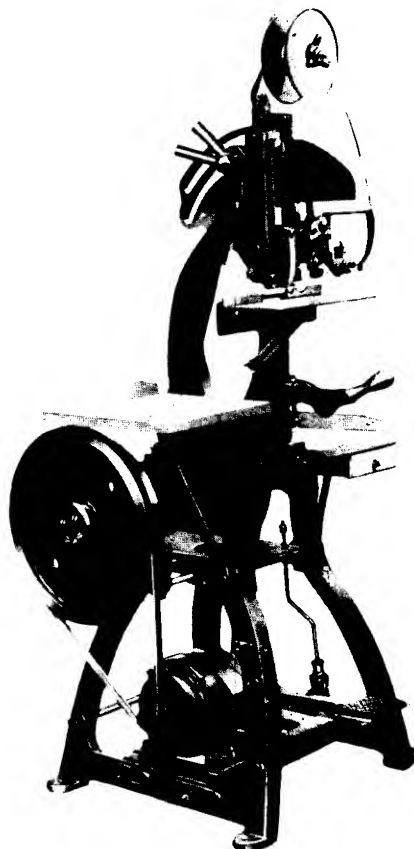
25X1

訂 書 機

WIRE STITCHING MACHINE, MODEL WSP

This machine is specially made for book binding work. It is driven either by electric motor or by treadle. For book binding, round shaped wire is used. The staple is struck from upside and bent underneath.

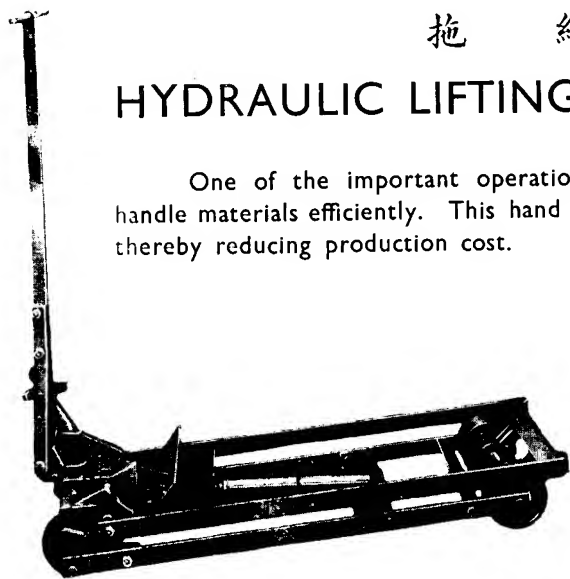
| | | | | | |
|---------------------------|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | WSP |
| Thickness | ... | ... | ... | ... | About 200 sheets of news- paper. |
| Staple Length | ... | ... | ... | ... | 12.7 mm ($\frac{1}{2}$ ") |
| Maximum Capacity | ... | ... | ... | ... | 120 staples per minute |
| Installation Floor Space: | ... | ... | ... | ... | 686 × 711 mm (27" × 28") |
| Motor | ... | ... | ... | ... | 1 H. P. |
| Weight | ... | ... | ... | ... | Net: 160 kgs. Approx. Gross: 230 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | 1 cu. m. Approx. |



拖 紙 機

HYDRAULIC LIFTING TRUCK, MODEL LT

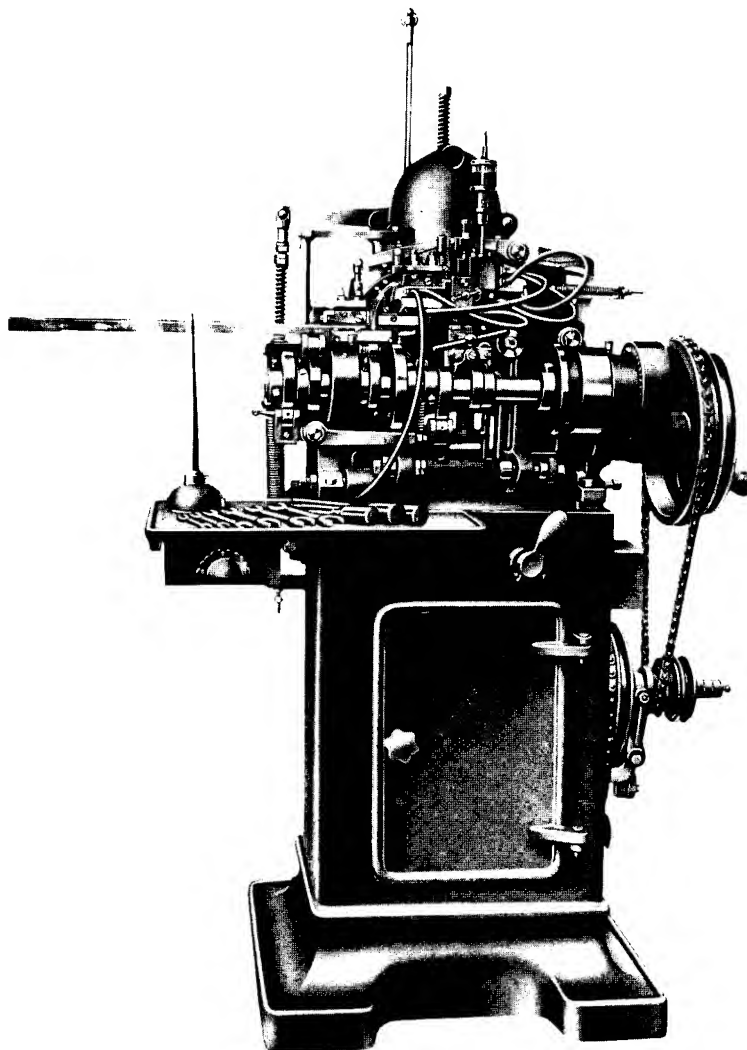
One of the important operations in any printing establishments is to handle materials efficiently. This hand lifting truck facilitates material handling, thereby reducing production cost.



| | | | | |
|-----------------|-----|-----|-----|---|
| Model | ... | ... | ... | LT |
| Maximum Load... | ... | ... | ... | 750 kgs. |
| Size | ... | ... | ... | 960 × 470 × 160 mm (38" × 18 $\frac{3}{4}$ " × 6 $\frac{1}{2}$ ") |
| Weight | ... | ... | ... | Net: 118 kgs. Approx. Gross: 140 kgs. Approx. |
| Shipping Space | ... | ... | ... | 0.25 cu. m. Approx. |

鑄 字 機

TYPE CASTING MACHINE, MODEL TCL



This machine is developed for high speed casting of sharp and clear types. The essential parts are made of high grade carbon steel; those, which are subject to wear, as well as the shafts are hardened and heat treated. The most important part of this machine, the matrix case, is made of special chromium alloy steel and precision ground ensuring production of sharp metal types. It is arranged for heating by electric current, consuming about 3 kw. The machine is equipped with a $\frac{1}{2}$ H.P. electric motor and a type casting case, the size of which is at buyer's option.

| | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | ... | ... | TCL |
| Casting Range | ... | ... | ... | ... | ... | ... | 6 points to 28 points |
| Production per Minute | ... | ... | ... | ... | ... | ... | for 6 points, 130-150 castings |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | 850 x 650 mm (34" x 26") |
| Weight | ... | ... | ... | ... | ... | ... | Net: 420 kgs. Approx. Gross: 485 kgs. Approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | 1.1 cu. m. Approx. |

中國運輸機械進口公司

鑄字機 TCL 型

使用說明:

本机是高速鑄澆鉛字之文化母机，其構造系用國產優良炭素鋼制成，主要輪軸等件均經熱處理，加強硬度，經久耐用，其附件鑄字盒，採用特種高鉻合金鋼（即不伸縮鋼）精密磨制而成，出品鉛字光潔正確。

性能:

能鑄大號鉛字（即28POINT）到七號（即6POINT）附件鑄字盒內配有同樣高低尺寸之鑄字盒鋼板（即盒心）三塊，詳細規格由使用單位決定。

主要規格:

速度:

每分鐘出品:

| | | |
|-------|---------------------|-----------|
| 大號鉛字 | (28POINT) | 15—20 个 |
| 二號鉛字 | (21POINT) | 30—35 个 |
| 三號鉛字 | (16POINT) | 50—55 个 |
| 四號鉛字 | (14POINT) | 70—80 个 |
| 五號鉛字 | (10.5POINT) | 90—100 个 |
| 新五號鉛字 | (9POINT) | 100—110 个 |
| 六號鉛字 | (8POINT) | 110—120 个 |
| 七號鉛字 | (6POINT) | 130—150 个 |

機器總尺寸: (長×寬×高) 980×650×1450公厘

裝箱體積: (長×寬×高) 850×650×1500公厘

機器重量:毛重 485 公斤 (附另件及應用工具)

附屬設備:華氏 1000° 熱度表一支

工具一套:4"6"8"旋齒一套

六件呆扳頭.....一套

嘴吧扳頭.....一只

油 壺.....一只

鑄 字 盒 TCC 型

使用說明:

本盒系采用特种高銘合金鋼（不伸縮鋼）經熱處理，精密磨制而成，系鑄字機最主要之精密配件，出品鉛字光潔正確，其精密度符合國際標準。

主要規格:

種類及性能:

固定式鑄字盒（專鑄一種號別鉛字，使用壽命特長）

活絡式鑄字盒（能澆高低尺寸相同之多種號別鉛字）

空鉛鑄盒（能澆二號至六號等各種空鉛）

裝箱體積：（長×寬×高）.....230×180×90公厘

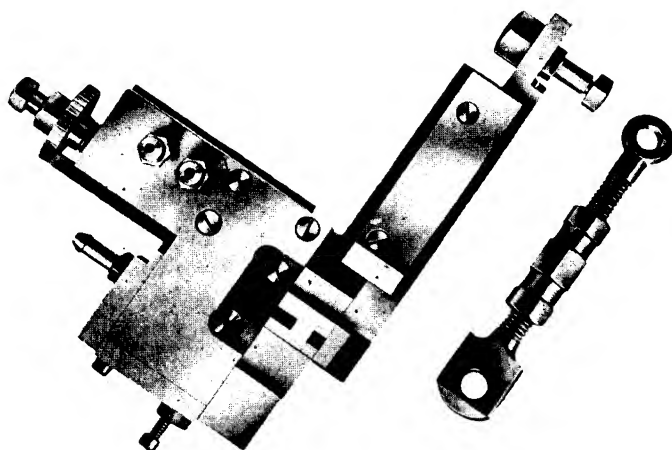
重 量：.....毛重：四公斤

附屬設備：.....每鑄字盒附鋼版（即盒心）三塊

詳細規格由使用單位決定。

鑄 字 盒

TYPE-CASTING CASE, MODEL TCC



These Casting Cases are made of special chromium alloy steel, precision ground and heat treated ensuring production of clear and sharp metal types. They are available in three models:

TCC-A : Fixed model used for casting assigned sizes of types.

TCC-B : Adjustable model used for casting various sizes of types of uniform height.

TCC-C : Universal quotation casting box for casting short types (for space use) from No. 2 to No. 6.

Each type-casting case is provided with 3 sets of steel moulds, specification of which is at buyer's option.

Dimension and Weight

Dimension 230×180×90 mm (9"×7"×3½")

Weight 4 kgs. Approx.

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LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

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| | |
|-------------------------|---|
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| <i>SHANGHAI OFFICE:</i> | 27 Chung Shan Road E1 <i>Cable Address:</i> TRANSMACH Shanghai |
| <i>CANTON OFFICE:</i> | 25 Tai Ping Road South <i>Cable Address:</i> TRANSMACH Canton |

25X1

Universal Circular Saw**Specification**

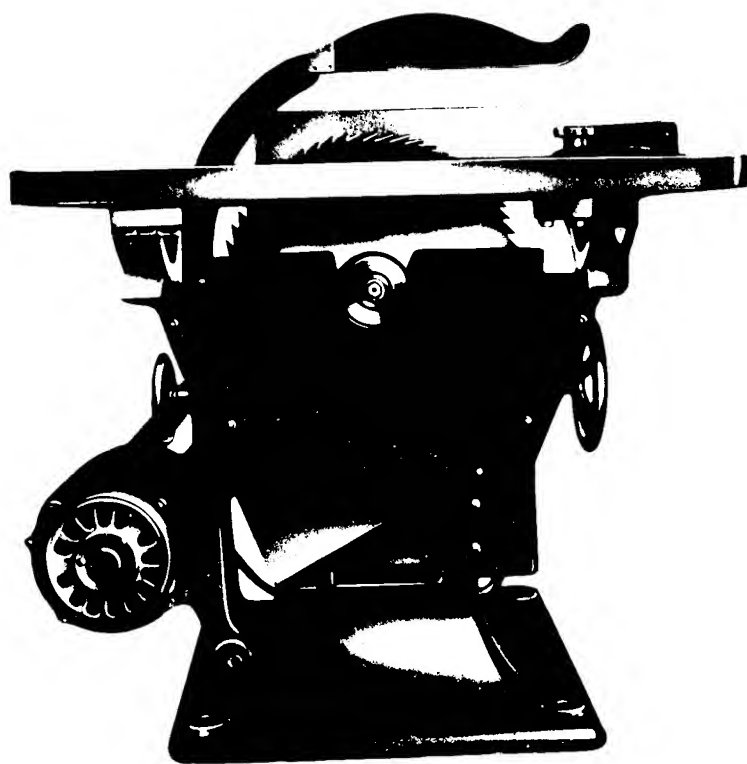
1. Work pieces

| | |
|-------------|---------|
| Max. height | 120 mm. |
| Max. width | 400 mm. |
2. Max. diameter of saw blade 500 mm.
3. Speed of saw blade 2800 rpm.
4. Max. inclination of work table 45°C
5. Lifting height of work table 100 mm.
6. Electric motor power speed

| |
|-----------|
| 5.1 kw. |
| 3000 rpm. |
7. Overall dimension (L x W x H)
1140x900x1150 mm.
8. Overall weight 500 approx. kgs.

25X1

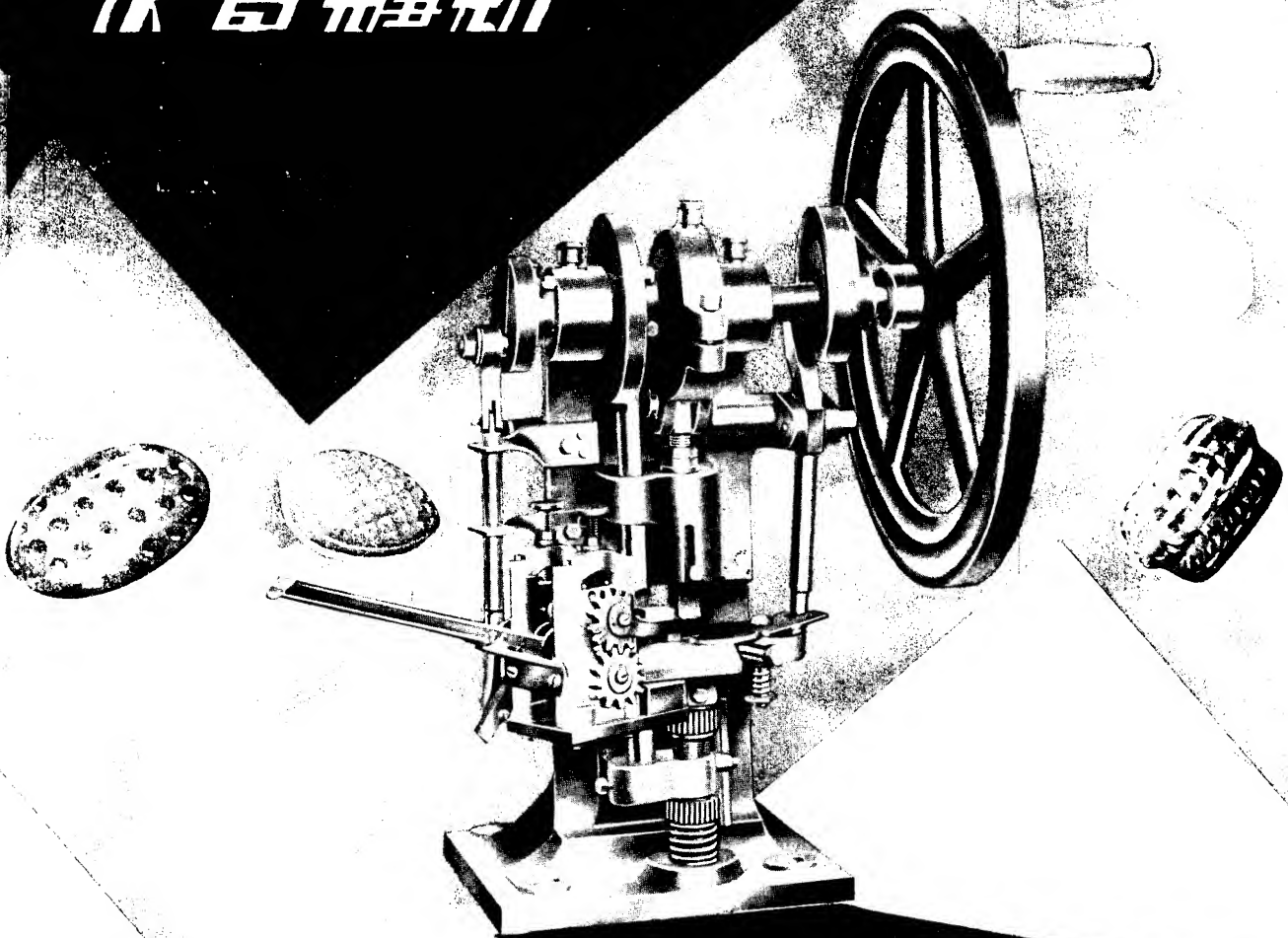
Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7



Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

"TANK" Hard Candy Machine

水雷糖机



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

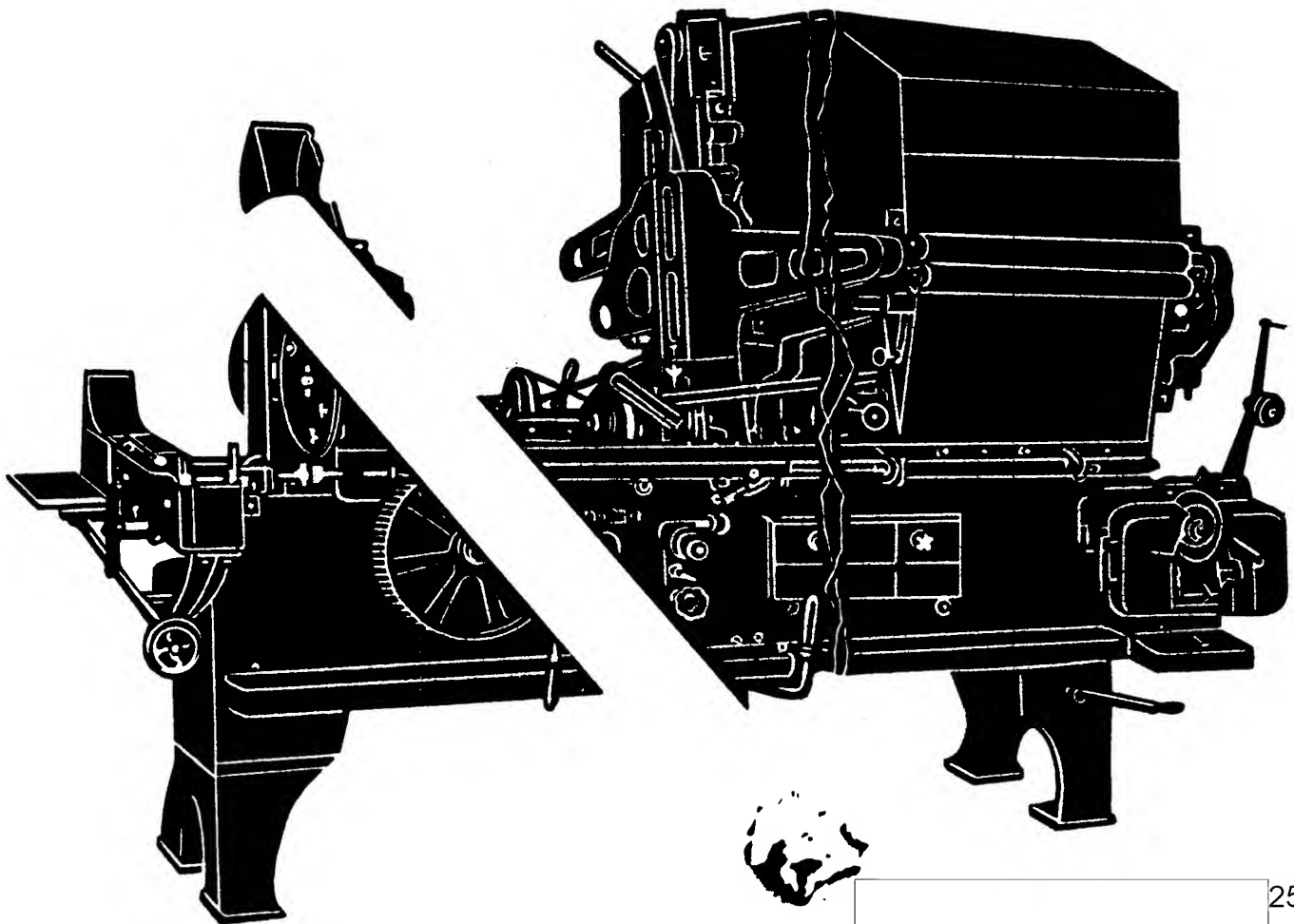
CABLE ADD: TRANSMACH PEKING

This robust and durable candy machine is designed for making different kinds of fruit drops for confectioners. It can be driven either manually or by means of motor.

Granulated sugar is first melted and formed into a sugar strip and then fed into this machine to be compressed by moulds into the finished fruit drop candies. With different forms of moulds and attachments, the machine is capable of producing candies in different forms and shapes.

| | | | | | | | | | |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|
| Output from Granulated Sugar | ... | ... | ... | ... | ... | ... | ... | ... | Hard candy 30 kgs./hr. |
| Diameter of Mould | ... | ... | ... | ... | ... | ... | ... | ... | 10—30 mm. |
| Main Shaft Speed | ... | ... | ... | ... | ... | ... | ... | ... | 200 rpm. (motor driven) |
| Power Required | ... | ... | ... | ... | ... | ... | ... | ... | $\frac{1}{2}$ H.P. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | Net 65 kgs. Approx. |
| Shipping Space (L×W×H) | ... | ... | ... | ... | ... | ... | ... | ... | 630×530×450 mm. Approx. |

CIGARETTE MACHINE



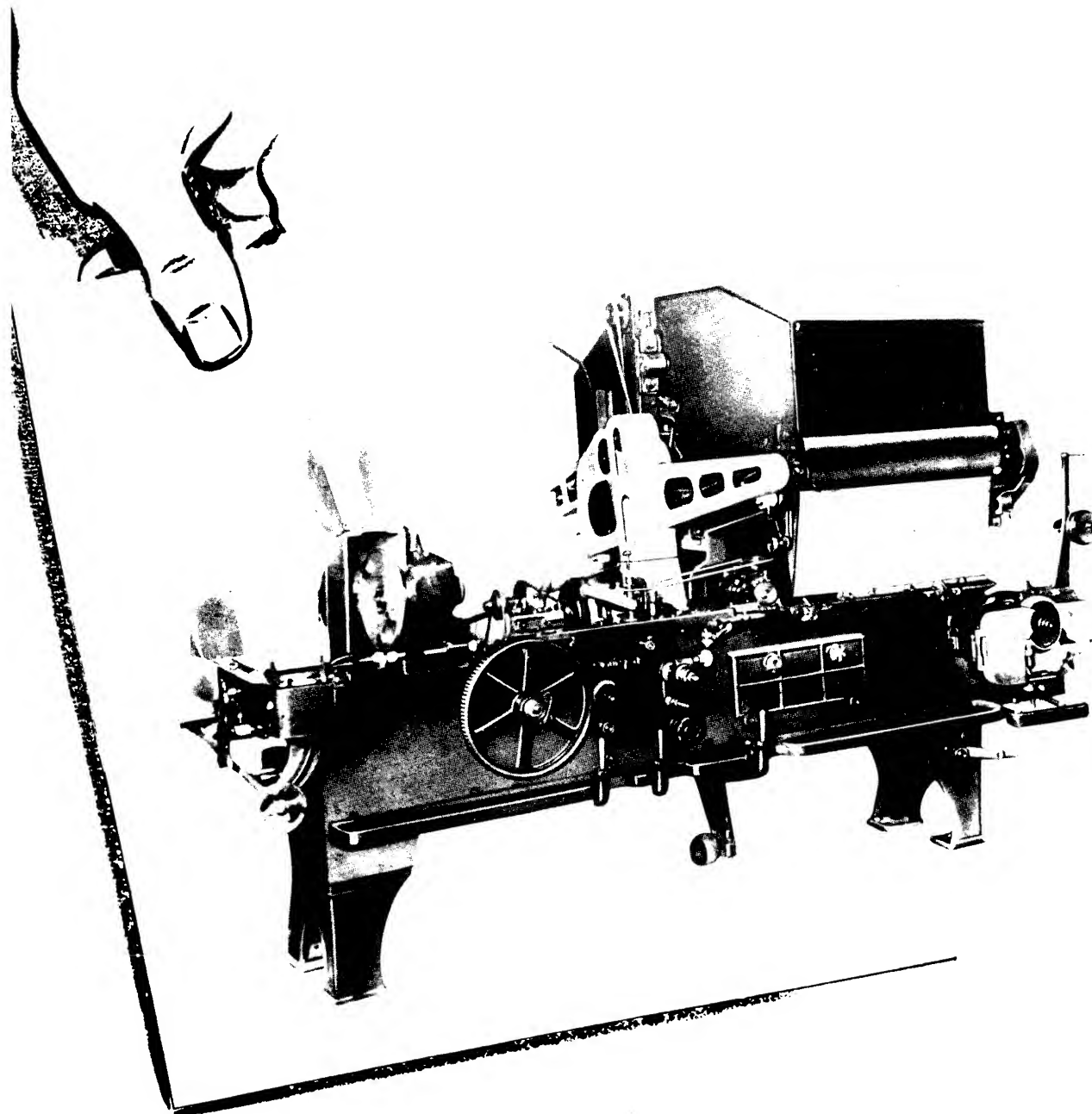
中國運輸機械進

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

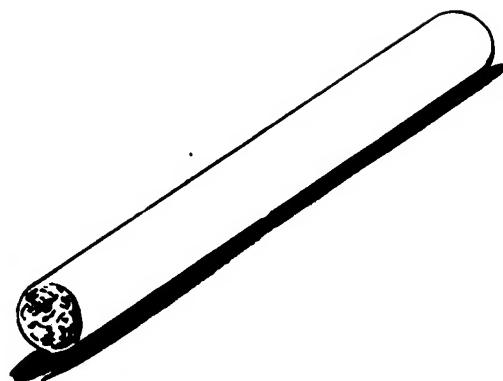
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING



A



捲 煙 機

“NEW CHINA” CIGARETTE MACHINE

Type: High speed automatic drive with oil pump lubrication.

Construction: In this machine tobacco is wrapped by paper, pasted, dried and cut in regular lengths to form cigarettes. Its main components are:

Leaf arranging device,
Printing box,
Paste container,
Electric heater,
Drive spindle with cutting knife &
Conveyer.

Production: This machine will produce 1000 cigarettes per minute. About 80 to 90 kgs of tobacco are required to produce 50000 cigarettes.

Power required: 3 H.P. motor, 1450 rpm, 50 cycles.

Space occupied: length 10' x width 6' x height 7'

Packing dimension: 1 case 10'6" x 3'6" x 5' approximately
1 case 6'6" x 5' x 7'6" ..

Total weight: Net 2500 kgs; Gross 3100 kgs. approximately

Particulars of the following various auxiliary machines for cigarette manufacturing will be supplied upon request:

- a) Tobacco Cutting Machine with 10" knife
- b) Tobacco Cutting Machine with 16" knife
- c) Stalk Crusher (or Stem Flattening Machine)
- d) Cigarette Carton Machine
- e) Automatic Wrapping Machine
- f) Packing Machine
- g) Knife Grinder
- h) Tobacco Drying and Cooling Machine
- i) Tobacco Recovering Machine for Waste Cigarette
- j) Leaf Moistening Machine
- k) Leaf Drying Machine
- l) Casing Cylinder (in which the tobacco is given moisture and spices).

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Cable Address: TRANSMACH Shanghai

CANTON OFFICE: 25 Tai Ping Road South
Cable Address: TRANSMACH Canton

BTB 型 二 氧 化 碳 滅 火 機
TYPE BTB CO₂ FIRE EXTINGUISHER



NO. 8—15



NO. 4—6

中 國 運 輸 機 械 進 口 公 司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA. CABLE ADDRESS: TRANSMACH PEKING

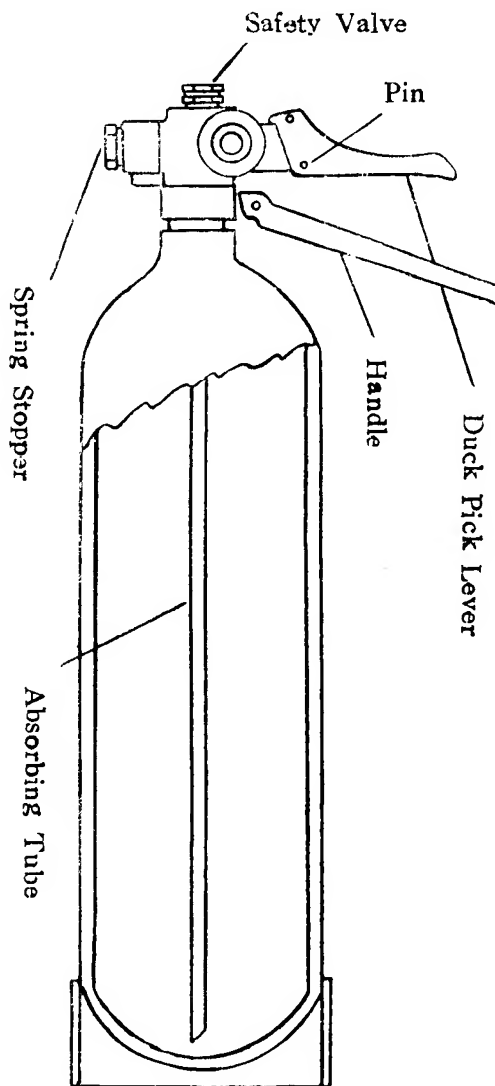
TYPE BTB CO₂ FIRE EXTINGUISHER

CO₂ is a colorless gas, specific gravity: 1.254; boiling point: -78.5°C; critical temperature: 31.35 °C; critical pressure: 72.9. At 36% atmospheric pressure and below 0°C is liquid in form. CO₂ is inert gas, harmless to both equipments and machineries and also non inductive.

Efficiency of Type BTB CO₂ Fire Extinguisher:

CO₂ forms a partition between air and fire, which prevents oxygen from approaching the burning objects. Due to its strong cooling effect, weakens the burning point and exterminates the fire all at once.

CO₂ is stored in the high pressure resisting steel Cylinder by process of compression, while the Cylinder's pressure resistance is 211 kgs per sq. cm. The working pressure in the Cylinder is 900-1100 lbs. When CO₂ is released, it expands vigorously up to 450 times stronger, and absorbs enormous heat forming snowy and foggy manner, therefore, the temperature drops to 79°C. below 0°C. By discharging CO₂ to the fire district the temperature of the blaze will be much weakened. In case the volume of the CO₂ is under 0°C, it will become liquefaction at the pro rata of 36-38% atmospheric pressure, fire will certainly be exterminated. Inasmuch as such particular effect, this type of fire extinguisher is most suitable for indoor use.



Numbers of Type BTB CO₂ Fire Extinguisher:

No. 2; No. 4; No. 6; No. 8; No. 10; No. 12; No. 15;

Construction of Type BTB CO₂ Fire Extinguisher:

Type BTB CO₂ Fire Extinguisher is made of seamless steel pipe, being heat treated. No. 8 and above are fitted with high pressure steel wired rubber tubes, while No. 6 and under are fitted with rubber coated copper tubes. A rubber Horn is connected to one end of the tube. The mouth of the steel Cylinder is equipped with copper-aluminium alloy Duck-Pick Lever, operating the open and close of the valve. A copper Absorbing Tube is fitted in the center of the Cylinder. By means of operating the Duck-Pick Lever, it allows the CO₂ pass up to the Horn through the Absorbing Tube when used in emergency. The purity of CO₂ in the steel Cylinder is 90% up.

Purpose of Type BTB CO₂ Fire Extinguisher:

Suitable for oil and fat, machines and valuable articles, also with high efficiency to indoor fire accidents. As a matter of safe protection, vehicles, aircrafts, trains, steamers, electrical equipments, oil storages, chemicals, warehouses, valuable machine parts, and instruments should be provided with Type BTB CO₂ Fire Extinguishers.

Operation of Type BTB CO₂ Fire Extinguisher:

Pull out Pin. Remove Horn. Squeeze Duck-Pick Lever to open valve pointing to fire spot. The nearer the better the CO₂ Fire Extinguisher is thrust to the surrounding of the fire and spray gradually to the center. Any moment the Duck-Pick Lever is released, valve shuts up instantly and operation ceases. Do not discharge spray against wind. Right after the indoor operation, pay great attention to house ventilation.

Maintenance and inspection:

Inspect every two months. Weight should correspond with the figure as stamped on the Cylinder. Test the Cylinder in every two years by water pressure 211 kg per sq. cm., and Duck-Pick Lever 70.34 kg per sq. cm.

Always place the CO₂ Fire Extinguisher under temperature of 42°C so as to avoid explosion and loss of CO₂. Do not expose the CO₂ Fire Extinguisher in the moist place, which usually corrods metals. Careful handling and not to bump. Protect Duck-Pick Lever and Horn with all cares.

TYPE BTB CO₂ FIRE EXTINGUISHER:

| Type BTB | Discharging Distance | Duration | Weight of CO ₂ |
|----------|----------------------|--------------|---------------------------|
| No. 2 | 1 m | 5 10 seconds | 0,81 1,01 kgs |
| No. 4 | 1,2 m | 10 14 „ | 1,66 1,96 „ |
| No. 6 | 1,8 m | 14 20 „ | 2,52 2,92 „ |
| No. 8 | 1,9 m | 20 30 „ | 3,43 3 83 „ |
| No. 10 | 1,9 m | 25 30 „ | 4,34 4,74 „ |
| No. 12 | 1,9 m | 30 40 „ | 5,24 5,64 „ |
| No. 15 | 2 m | 35 45 „ | 6,6 7,00 „ |

Outstanding Features:

Type BTB CO₂ Fire Extinguishers are filled with gas, different from bubbling liquid carbon tetrachloride liquid extinguishers. After discharging performance no damage whatsoever would be caused to articles. Can resist rigid coldness. Needless to recharge once a year as those of the foregoing mentioned extinguishers.

Packing:

| Type BTB | Approximate Weight | | Case Containing | Approximate Measurement |
|----------|--------------------|---------|-----------------|-------------------------|
| | N/W | G/W | | |
| No. 4 | 8,6 kg | 23,2 kg | 2 pcs | 24-6/8"X11-6/8"X8" |
| No. 6 | 12,4 kg | 34,8 kg | 2 „ | 33"X11"X8" |
| No. 8 | 17 kg | 46,6 kg | 2 „ | 29"X15-5/8"X11" |
| No. 10 | 21,6 kg | 55,8 kg | 2 „ | 29"X15-5/8"X11" |
| No. 12 | 23,2 kg | 33,2 kg | 1 pc | 36"X8"X11" |
| No. 15 | 28 kg | 38 kg | 1 „ | 36"X8"X11" |

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SHANGHAI OFFICE: 27 CHUNG SHAN ROAD E1

CABLE ADDRESS: TRANSMACH SHANGHAI

CANTON OFFICE: 25 TAI PING ROAD SOUTH

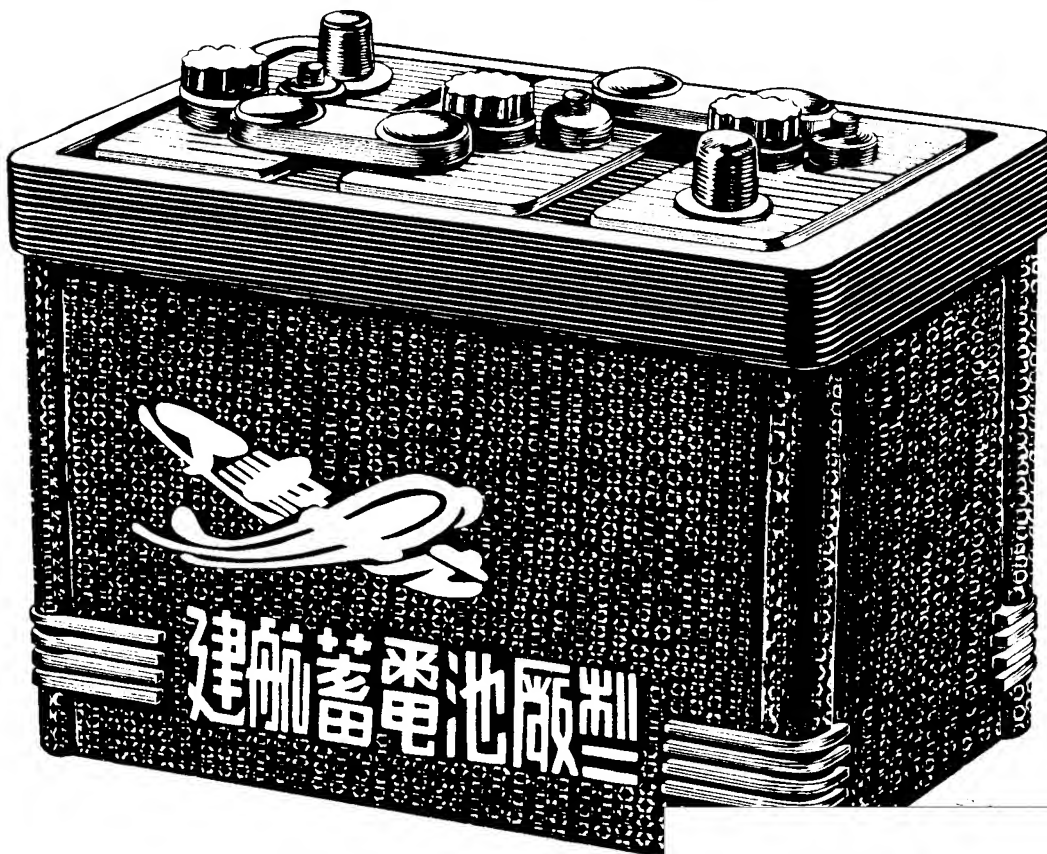
CABLE ADDRESS: TRANSMACH CANTON

25X1

建航牌蓄電池

Storage Battery

Kin Hong



25X1

中國運輸機械

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO PEKING, CHINA CABLE ADD: TRANSMACH PEKING

25X1

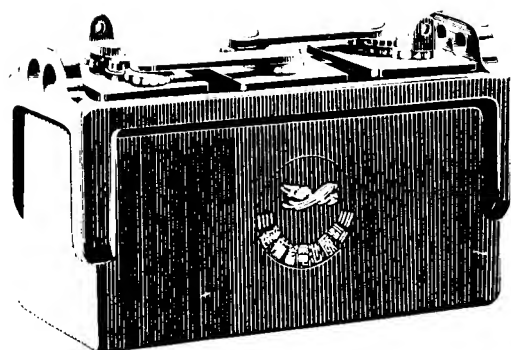
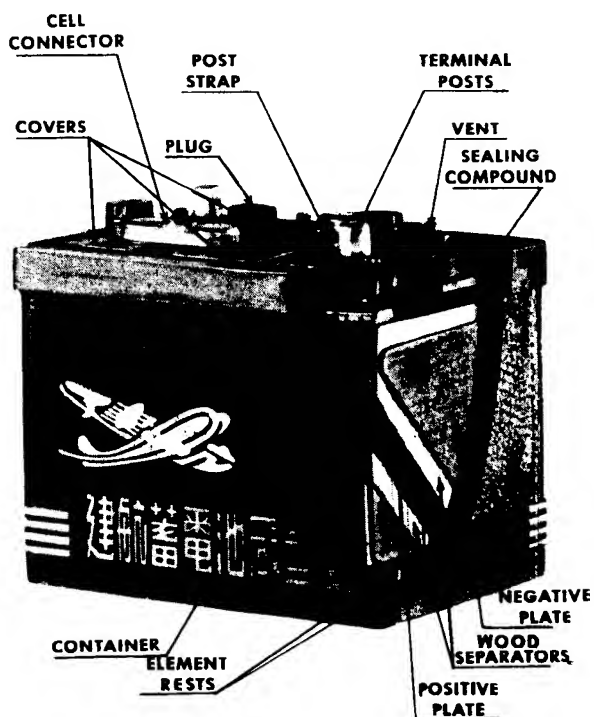
我公司經售之“建航”牌蓄電池是完全選用上等原料所製成，品質優良，電力強大，容量準確，壽命特長，已為用家所普遍歡迎。

“建航”牌蓄電池規格繁多，本目錄所列者只是通常所用之各種規格以供採用；此外對於本目錄未有列入之各種規格，只要惠寄圖樣，說明規格，我公司就可以按照要求承接定製。

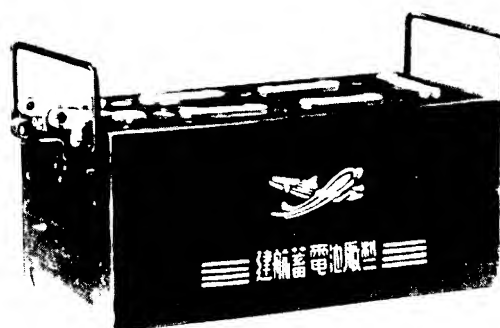
The “Kin Hong” Brand Storage Battery exported by our Corporation is made of perfectly superior materials. Best quality! Strong power! Correct capacity! Long life! It is widely welcomed by all users.

There are many specifications of “Kin Hong” Brand Storage Battery and the various specifications stated in this Catalogue are those being commonly adopted. Besides, regarding the various specification not listed in this catalogue, we are pleased to have the esteemed orders and manufacture in compliance with the customers' requirements according to their drawings and illustrative leaflets of the detailed specifications favoured to us.

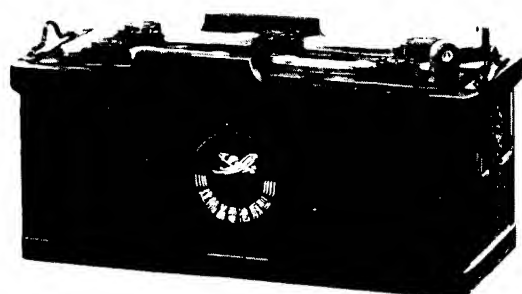
BATTERY CONSTRUCTION



STORAGE BATTERY FOR VESSELS



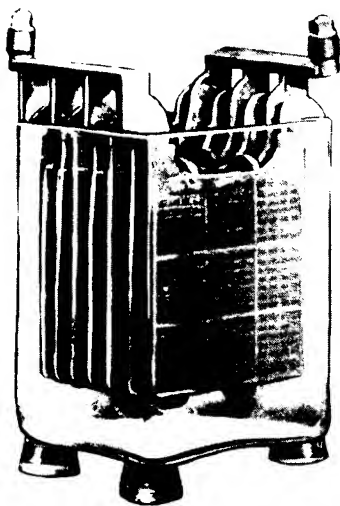
STORAGE BATTERY FOR TANKS



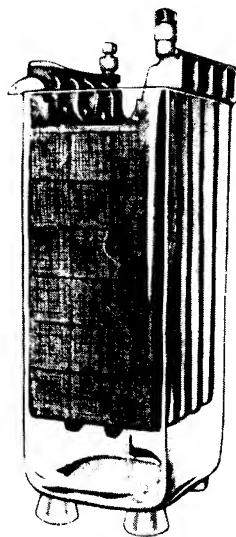
STORAGE BATTERY USED FOR TRUCKS



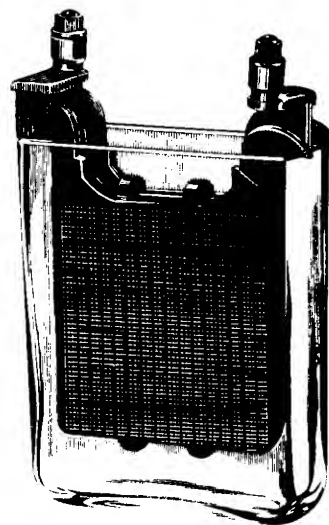
STORAGE BATTERY FOR AUTOMOBILE



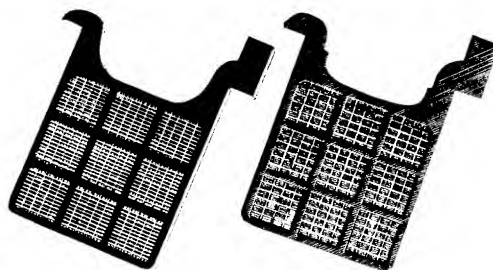
STATIONARY STORAGE BATTERY



STATIONARY STORAGE BATTERY



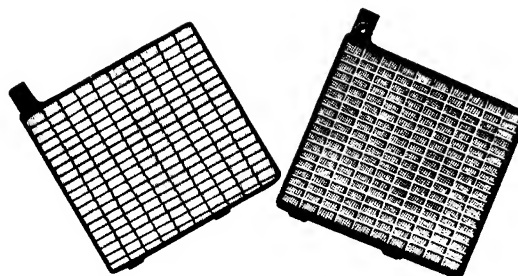
STATIONARY STORAGE BATTERY



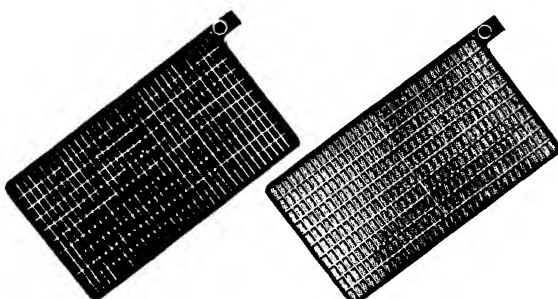
PLATES FOR STATIONARY STORAGE BATTERY



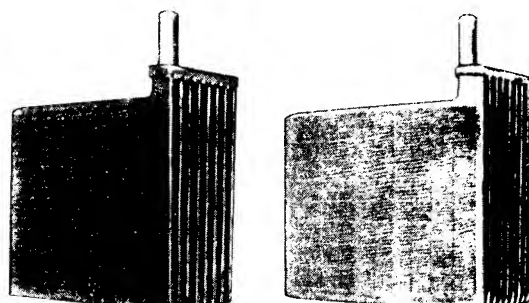
PLATES FOR STATIONARY STORAGE BATTERY



H S POS. AND NEG. PLATES



H.S. POS. & NEG. PLATES FOR VESSEL STORAGE BATTERY



M S POS. AND NEG. PLATES

汽車用蓄電池 STORAGE BATTERY FOR AUTOMOBILE



This Storage Battery is Suitable for use in starting machine of various Automobiles, Trucks and Tractors.

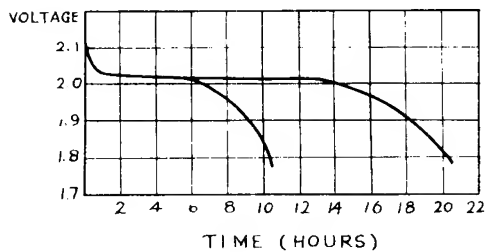
SPECIFICATIONS OF STORAGE BATTERY FOR STARTING MACHINE

| Models | Volta- ges Volts | Per Cell Number of plates | 20 hour Discharge Rating in Ampere hour Standard Capacity (Temperature of Electrolyte 26°C) | Minimum Voltage Allowed to be Dischar- ge Volts | Overall Measurements (MM) | | | Approx. Net Weight (Kgs.) |
|----------------|------------------------|------------------------------------|--|--|---------------------------------|-------|--------|------------------------------------|
| | | | | | Length | Width | Height | |
| MS MODEL 3-91 | 6 | 15 | 91 | 5.4 | 239 | 175 | 200 | 19 |
| MS MODEL 3-104 | 6 | 17 | 104 | 5.4 | 260 | 175 | 195 | 27 |
| MS MODEL 3-117 | 6 | 19 | 117 | 5.4 | 278 | 175 | 195 | 22.5 |
| MS MODEL 3-130 | 6 | 21 | 130 | 5.4 | 306 | 175 | 204 | 24 |
| HS MODEL 3-154 | 6 | 23 | 154 | 5.4 | 326 | 175 | 204 | 25.5 |
| HS MODEL 6-126 | 12 | 19 | 126 | 10.8 | 515 | 220 | 210 | 47 |
| HS MODEL 6-140 | 12 | 21 | 140 | 10.8 | 515 | 220 | 210 | 51 |

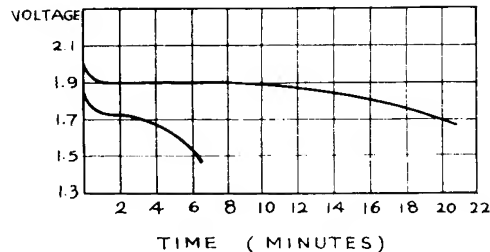
CAPACITY AND MEASUREMENT OF PLATE FOR STARTING MACHINE

| Plates Models | Measurement of Plates (MM) | | | Capacity for Each Positive Plate (Electrolyte Temperature 26°C) | | | | | | | |
|--------------------|-------------------------------|-------|----------------|---|---|-------------------------------|--|---------------------------------|--|--------------------------------|--|
| | | | | 20-hour Dis- charge Rating | | 10-hour Dis- charge Rating | | 20 Minute Dis- charge Rating | | 6 Minute Dis- charge Rating | |
| | Height | Width | Thick- ness | Ampere Hours | Termin- ating of Voltage (Volts) | Ampere Hours | Termin- ating Voltage (Volts) | Ampere Hours | Termin- ating Voltage (Volts) | Ampere Hours | Termin- ating Voltage (Volts) |
| HS Positive Plates | 135 | 141 | 2 | 14 | 1.8 | 13.5 | 1.8 | 6.5 | 1.7 | 4 | 1.5 |
| HS Negative Plates | 135 | 141 | 2 | | | | | | | | |
| MS Positive Plates | 122 | 141 | 2.5 | 13 | 1.8 | 12.8 | 1.8 | 6 | 1.7 | 3.75 | 1.5 |
| MS Negative Plates | 122 | 141 | 2 | | | | | | | | |

CURVE OF CHARACTERISTIC DISCHARGE
OF PLATES FOR STARTING MACHINE



SPECIFIC GRAVITY OF ELECTROLYTE: 1.28
TEMPERATURE: 26°C



固定蓄電池 STATIONARY STORAGE BATTERY

Stationary Storage Battery is suitable for Main Power Station, Generating Electricity Station, Wireless and Wire Operation, Mines and various Laboratory etc. and is used for commanding DC Electricity sources for lighting and communications.



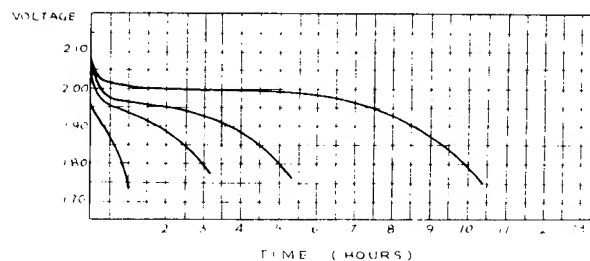
SPECIFICATION OF STATIONARY BATTERY

| Models | No. of Plates | Voltage (Volts) | Capacity (Ampere hour) | | Con- tainer | Overall Measurement (MM) | | | Dis- charging Standard Electric Current (Ampere) | Approx. Nett Weight (kgs.) |
|----------------------|---------------|-----------------|--|---------------------------------------|----------------|--------------------------|-------|--------|---|-------------------------------------|
| | | | Per 10 hours discharge rating | Per 5 hours discharge rating | | Height | Width | Length | | |
| Stationary Model 1-1 | 3 | 2 | 36 | 29 | Glass Ware | 270 | 215 | 80 | 3.6 | 11.5 |
| " 1-2 | 5 | 2 | 72 | 58 | " | 270 | 215 | 130 | 7.2 | 18 |
| " 1-3 | 7 | 2 | 108 | 87 | " | 270 | 205 | 180 | 10.8 | 25.25 |
| " 1-4 | 9 | 2 | 144 | 116 | " | 290 | 205 | 204 | 14.4 | 32 |
| " 1-5 | 11 | 2 | 180 | 145 | " | 290 | 205 | 276 | 18 | 38.5 |
| " 1-6 | 13 | 2 | 216 | 174 | " | 290 | 205 | 276 | 21.6 | 45 |
| " 2-3 | 7 | 2 | 216 | 174 | " | 485 | 195 | 220 | 21.6 | 36 |
| " 2-4 | 9 | 2 | 288 | 232 | " | 485 | 195 | 220 | 28.8 | 28.13 |
| " 2-5 | 11 | 2 | 360 | 290 | " | 485 | 205 | 240 | 36 | 62 |
| " 2-6 | 13 | 2 | 432 | 348 | " | 485 | 205 | 270 | 43.2 | 72.5 |
| " 2-7 | 15 | 2 | 504 | 406 | " | 485 | 205 | 295 | 50.4 | 83 |
| " 2-8 | 17 | 2 | 576 | 464 | " | 485 | 205 | 345 | 57.6 | 94 |
| " 2-9 | 19 | 2 | 648 | 522 | " | 485 | 205 | 395 | 64.8 | 104.75 |
| " 2-10 | 21 | 2 | 720 | 580 | " | 485 | 205 | 425 | 72 | 115.5 |

CAPACITY AND MEASUREMENT FOR STATIONARY PLATE

| Plate Models | Plate Measurement (MM) | | | Discharging Capacity per plate (Ampere Hours) | |
|---|------------------------|-------|-----------|---|------------------------------|
| | Height | Width | Thickness | Discharging rate per 10 hours | Discharging rate per 5 hours |
| Stationary Model 1 Semi-Finished positive plate | 177 | 170 | 11 | 56 | 29 |
| Stationary Model 1 Ointment type negative plate | 177 | 170 | 8.6 | | |
| Stationary Model 2 Semi-Finished positive plate | 345 | 170 | 11 | 72 | 58 |
| Stationary Model 2 Ointment type negative plate | 345 | 170 | 8.6 | | |

CURVE OF CHARACTERISTICS OF DISCHARGING OF STATIONARY PLATE
SPECIFIC GRAVITY: 1.225 TEMPERATURE: 26°C



船舶及礦坑電車用蓄電池
STORAGE BATTERY
FOR VESSELS, MINES & TRAMS



This storage battery is suitable for use on vessels, mines, trams, electric transporting machine and lighting.

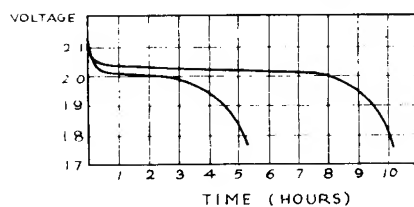
SPECIFICATIONS OF STORAGE BATTERY FOR VESSELS, MINES & TRAMS

| Models | Voltage (Volts) | Capacity Ampere hours | | Measurement (MM) | | | Kinds of containers | | Approx. net weight (kgs) |
|--|-----------------|---------------------------------|--------------------------------|------------------|-------|--------|---------------------|-------------|--------------------------------|
| | | 10-hours discharge rating | 5-hours discharge rating | Length | Width | Height | Cells | Cases | |
| MS Model 3-14-189 | 6 | 189 | 182 | 410 | 180 | 205 | | Hard Rubber | 34 |
| MS Model 3-14-350 | 6 | 350 | 336 | 530 | 210 | 380 | Hard Rubber | Teak Wood | 69.5 |
| HS Model 4-14-350 | 8 | 350 | 336 | 694 | 210 | 380 | " | " | 92.5 |
| HS Model 5-14-350 | 10 | 350 | 336 | 858 | 210 | 380 | " | " | 115.5 |
| Ointment Type with glass wool and wooden separator Model 3-7-378 | 6 | 373 | 339.5 | 530 | 210 | 380 | " | " | 75 |
| Ointment Type with glass wool and wooden separator Model 4-7-378 | 8 | 378 | 339.5 | 694 | 210 | 380 | " | " | 100 |
| Ointment Type with glass wool and wooden separator Model 5-7-378 | 10 | 378 | 339.5 | 858 | 210 | 380 | " | " | 125 |

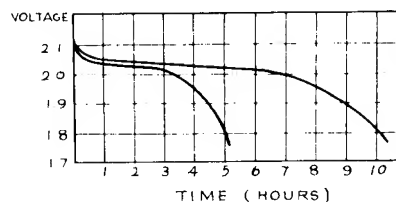
**CAPACITY AND MEASUREMENT FOR PLATE OF STORAGE BATTERY
 FOR VESSELS, MINES AND TRAMS**

| Plate Models | Measurement (MM) | | | Capacity per positive plate (Ampere hours) | |
|------------------------------|------------------|-------|-----------|---|-----------------------------|
| | Height | Width | Thickness | 10-hours discharge rating | 5-hours discharge rating |
| MS Positive Plate | 135 | 141 | 2 | 13.5 | 13 |
| MS Negative Plate | 135 | 141 | 2 | | |
| HS Positive Plate | 247 | 141 | 2.5 | 25 | 24 |
| HS Negative Plate | 247 | 141 | 2.5 | | |
| Ointment Type Positive Plate | 247 | 141 | 5.5 | 54 | 48.5 |
| Ointment Type Negative Plate | 247 | 141 | 3.5 | | |

CURVE OF CHARACTERISTIC DISCHARGING
 OF OINTMENT TYPE PLATE
 SPECIFIC GRAVITY : 1.265
 TEMPERATURE : 26°C



CURVE OF CHARACTERISTIC DISCHARGING
 OF PLATE OF STARTING TYPE
 SPECIFIC GRAVITY 1.265
 TEMPERATURE : 26°C



電源動力蓄電池 STORAGE BATTERY FOR ELECTRICITY SOURCES GENERATION

This Storage Battery can be used for sources of DC electricity supplies for Passenger Vehicle Lighting, Commanding Oil Circuit Breakers in Power Station and Generator Station. Electric Lorry Truck and Laboratory.

This Storage Battery is made of 2 volts and its advantage is that it can be organized to be Storage Battery of Multiple Voltages.



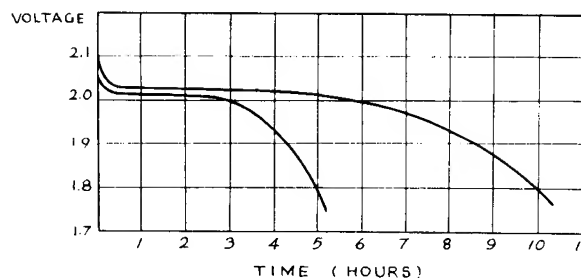
SPECIFICATIONS FOR STORAGE BATTERY OF OINTMENT TYPE WITH GLASS WOOL AND WOODEN SEPARATOR.

| Models | Voltage (Volts) | No. of Plates | Capacity (Ampere hours) | | Measurement (MM) | | | Approx. net weight (kgs) |
|---|-----------------|---------------|--------------------------------|-------------------------------|------------------|-------|--------|--------------------------|
| | | | Dis-charging rate per 10 hours | Dis-charging rate per 5 hours | Length | Width | Height | |
| Ointment Type with Glass Wool & Wood Separator Model I-II | 2 | 11 | 290 | 250 | 195 | 73 | 333 | 13.75 |

SPECIFICATIONS FOR STORAGE BATTERY PLATE OF OINTMENT TYPE AND ELECTRIC SOURCES GENERATION

| Plate Models | Plate Measurement (MM) | | | Capacity per Positive Plate (Ampere hours) | |
|------------------------------|------------------------|-------|-----------|--|------------------------------|
| | Height | Width | Thickness | Discharging rate per 10 hours | Discharging rate per 5 hours |
| Ointment Type Positive Plate | 222 | 182 | 4 | 58 | 50 |
| Ointment Type Negative Plate | 222 | 182 | 3.5 | | |

CURVE OF CHARACTERISTICS OF DISCHARGING OF STORGE BATTERY
PLATE OF OINTMENT TYPE WITH ELECTRIC SOURCES
GENERATION. SPECIFIC GRAVITY: 1.265 TEMPERATURE: 26°C



小型信號羅盤電源蓄電池
SMALL MODEL ELECTRICITY SOURCES
STORAGE BATTERY FOR SIGNAL AND COMPASS

This Small Model Storage Battery is used for supplying the electricity sources for special military signal, navigation compass, laboratory and small model exchange boards.

SPECIFICATIONS FOR ELECTRIC SOURCES SUPPLYING
SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

| Models | No. of Plates | | Voltage (Volts) | Capacity 20 hours discharge rating (Ampere hr.) | Measurement (MM) | | | Approx. net weight (kgs) |
|-------------------------|---------------|---------|-----------------|---|------------------|-------|--------|--------------------------|
| | per pc. | per pc. | | | Height | Width | Length | |
| Small & Light Model 3-5 | 15 | 5 | 6 | 20 | 140 | 120 | 120 | 5.25 |

CAPACITY AND MEASUREMENT FOR ELECTRIC SOURCES SUPPLYING
SMALL MODEL STORAGE BATTERY FOR SIGNAL AND COMPASS

| Plate Models | Measurement (MM) | | | Discharging capacity per positive plate rate per hour (Ampere hour) |
|--|------------------|-------|-----------|---|
| | Height | Width | Thickness | |
| Positive plate Light & Small Model 3-5 | 86 | 100 | 6 | 10 |
| Negative Plate Light & Small Model 3-5 | 86 | 100 | 35 | |

携帶式蓄電池
PORTABLE STORAGE BATTERY

The Storage Battery of this Model is used for supplying the electricity source for school teaching and laboratory experiment, and also can be used for co-operating with the electricity sources for special current experiment, lighting and small model radio exchange station.

SPECIFICATIONS FOR PORTABLE STORAGE BATTERY

| Models | No. of Plate | | Voltage (Volts) | Capacity discharging rate per 20 hours (Ampere hr.) | Measurement (MM) | | | Approx. net weight (kgs) |
|---------------------|--------------|----------|-----------------|---|------------------|-------|--------|--------------------------|
| | per pc. | per cell | | | Height | Width | Length | |
| Portable Model 3-17 | 51 | 17 | 6 | 50 | 253 | 132 | 344 | 7.5 |

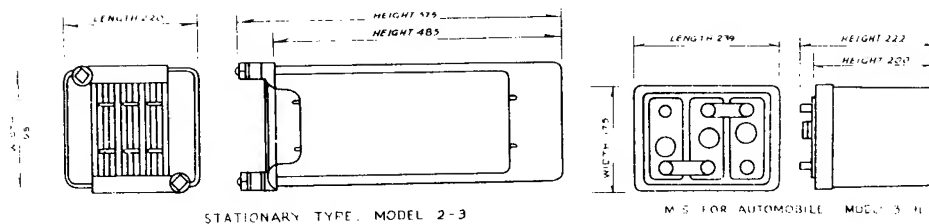
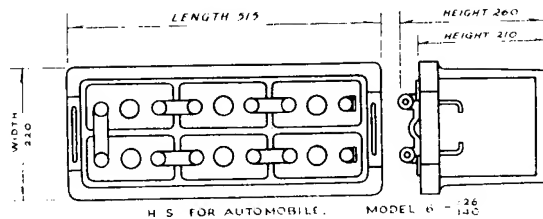
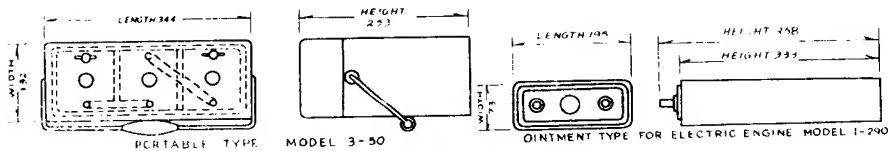
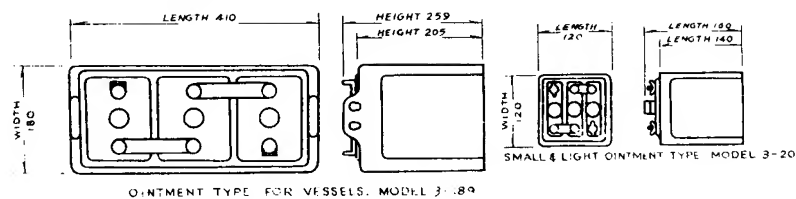
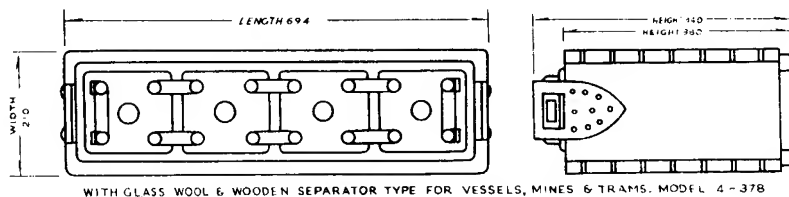
CAPACITY AND MEASUREMENT OF PORTABLE STORAGE BATTERY PLATE

| Plate Models | Measurement (MM) | | | Capacity per Positive Plate 20 hours discharge rating (Ampere hours) |
|------------------------------------|------------------|-------|-----------|--|
| | Height | Width | Thickness | |
| Portable Positive Plate Model 3-17 | 121 | 81 | 2.5 | 6.25 |
| Portable Negative Plate Model 3-17 | 121 | 81 | 2.5 | |

**LIST OF SPECIFICATIONS OF "KIN HONG" BRAND STORAGE BATTERY
POSITIVE AND NEGATIVE PLATE IN VARIOUS MODELS**

| Models of Storage Battery suitable for: | Models and Names of Plate | Original Nos. | Measurement (MM) | | | Standard Capacity per Positive Plate (Ampere Hrs.) |
|---|---|---------------|------------------|-------|-----------|--|
| | | | Height | Width | Thickness | |
| Storage Battery for Automobiles | M.S. Positive Plate | 1 | 122 | 141 | 2.5 | 13 |
| | M.S. Negative Plate | 2 | 122 | 141 | 2.5 | |
| | M.S. Positive Plate | 3 | 122 | 141 | 2 | 12.5 |
| | M.S. Negative Plate | 4 | 122 | 141 | 2 | |
| | H.S. Positive Plate | 5 | 135 | 141 | 2.5 | 15 |
| | H.S. Negative Plate | 6 | 135 | 141 | 2.5 | |
| | H.S. Positive Plate | 7 | 135 | 141 | 2 | 14 |
| | H.S. Negative Plate | 8 | 135 | 141 | 2 | |
| | H.S. Positive Plate | 9 | 142 | 144 | 2.2 | 14.5 |
| | H.S. Negative Plate | 10 | 142 | 144 | 2.2 | |
| | S.S. Positive Plate (Short start) | 29 | 115 | 142 | 2 | 12 |
| | S.S. Negative Plate (Short start) | 30 | 115 | 142 | 2 | |
| Storage Battery for Vessels, Mines & Trams | Short Ointment Type Positive Plate | 13 | 115 | 144 | 3 | 13.5 |
| | Short Ointment Type Negative Plate | 14 | 115 | 144 | 3 | |
| | H.S. Positive Plate | 21 | 247 | 141 | 2.5 | 25 |
| | H.S. Negative Plate | 22 | 247 | 141 | 2.5 | |
| | M.S. Positive Plate | 23 | 221 | 141 | 5.5 | 48 |
| | M.S. Negative Plate | 24 | 221 | 141 | 3.5 | |
| | H.S. Ointment Type Positive Plate | 25 | 247 | 141 | 5.5 | 54 |
| | H.S. Ointment Type Negative Plate | 26 | 247 | 141 | 3.5 | |
| | High & Wide Ointment Positive Plate | 31 | 450 | 204 | 6 | 139.5 |
| | High & Wide Ointment Negative Plate | 32 | 450 | 204 | 4.5 | |
| | Middle & Wide Ointment Positive Plate | 33 | 248 | 204 | 6 | 75.5 |
| | Middle & Wide Ointment Negative Plate | 34 | 248 | 204 | 4.5 | |
| Stationary Storage Battery | Stationary Model No. 1 Semi-Finished Positive Plate | 41 | 177 | 170 | 11 | 36 |
| | Stationary Model No. 1 Semi-Finished Negative Plate | 42 | 177 | 170 | 8.6 | |
| | Stationary Model No. 2 Semi-Finished Positive Plate | 43 | 345 | 170 | 11 | 72 |
| | Stationary Model No. 2 Semi-Finished Negative Plate | 44 | 345 | 170 | 8.6 | |
| Storage Battery for Storage Battery Vehicles | Middle & Wide Ointment Positive Plate | 37 | 222 | 182 | 4 | 58 |
| | Middle & Wide Ointment Negative Plate | 38 | 222 | 182 | 3.5 | |
| Aviation Storage Battery | Aviation Model 12-30 Positive Plate | 15 | 130 | 106 | 1.6 | 7.5 |
| | Aviation Model 12-30 Negative Plate | 16 | 130 | 106 | 1.6 | |
| | Aviation Model 6-120 Positive Plate | 17 | 167 | 144 | 2 | 17.5 |
| | Aviation Model 6-120 Negative Plate | 18 | 167 | 144 | 2 | |
| | Aviation Model 12-20 Positive Plate | 19 | 87 | 142 | 1.5 | 6.7 |
| | Aviation Model 12-20 Negative Plate | 20 | 87 | 142 | 1.5 | |
| Signal & Compass Storage Battery | Light and Small Ointment Type Positive Plate | 27 | 88 | 100 | 6 | 10 |
| | Light and Small Ointment Type Negative Plate | 28 | 88 | 100 | 3.5 | |
| Storage Battery for Laboratory Electricity Source | Stationary Ointment Type Positive Plate | 11 | 101 | 110 | 6.5 | 12 |
| | Stationary Ointment Type Negative Plate | 12 | 101 | 110 | 6.5 | |
| Storage Battery for Motor Cars | Thin Positive Plate | 35 | 71 | 71 | 2.5 | 3.5 |
| | Thin Negative Plate | 36 | 71 | 71 | 2.5 | |
| | Thick Positive Plate | 39 | 97 | 62 | 4.5 | 6 |
| | Thick Negative Plate | 40 | 97 | 62 | 3 | |
| Portable Storage Battery | Portable Positive Plate | 45 | 121 | 81 | 2.5 | 6.25 |
| | Portable Negative Plate | 46 | 121 | 81 | 2.5 | |

OUTSIDE MEASUREMENT AND SPECIFICATIONS FOR VARIOUS STORAGE BATTERIES



BRANCHES

TIENTSIN OFFICE: 171 Chine Shien Road (Ho Si District)
Cable Address: TRANSMACH Tientsin

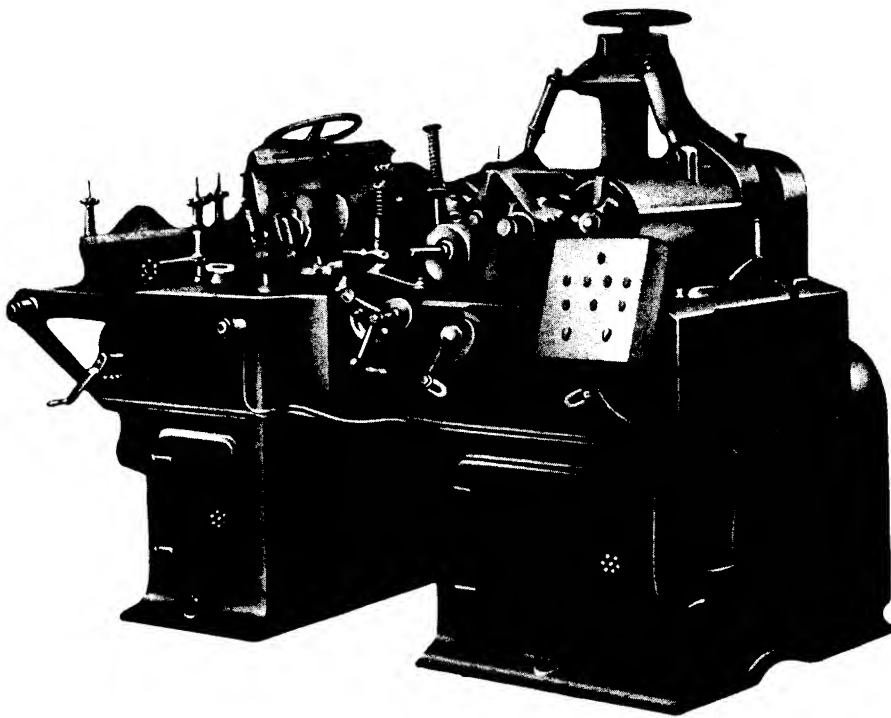
SHANGHAI OFFICE: 27 Chung Shan Road EI
Cable Address: TRANSMACH Shanghai

CANTON OFFICE: No. 2, West Bund Road, Canton
Cable Address: TRANSMACH Canton

4-Way Planer for Lumber Model CII 70-1
Automatic Feeding Circular Saw Model IIA
Surface Fine Planer Model 6
Vertical Tenon-Mortise Driller Model CBII
Multiple-Duty Saw for Lumber Model YH
Suspended Movable Circular Saw Model UKM (U is TS)
Foot Controlled Movable Circular Saw Model UK5-3
3-Way Planer Model K-3
One-Way Planer Model CP6-2
Multiple-Duty Bend Saw JIC 80-2
Horizontal Tenon-Mortise Driller CBR-3M
Milling Machine for Lumber Model ~~Φ~~-3
Tenon Milling Machine ~~Φ~~ III-3
Chain Type Tenon-Mortise Machine Model ~~IIA~~
Combination Tenon Saw Model ~~II~~ O-6

四 面 壓 鉋 床

CHI 30—1型



25X1

- 特点:
1. 本机床有着很高的生产效率。被加工木材可以四面同时鉋光。每分鐘最快可鉋32公尺長的木材。
 2. 本机床是屬於中大型木工机械。全机床是由五大主要部分構成。
①床身 ②工作台 ③四个車头 ④自动送料機構 ⑤电气控制設備。
 3. 四个車头，分別由四个电机單獨用直接帶動。
 4. 自动送料機構，由四个送材滾所組成，統一的由一个电动机經過減速齒輪帶動。
 5. 电气控制設備，設在床脚內部，集成的控制着五部电动机的運轉，按工作需要可全部開車停車或个别開車停車，通过電鈕進行操縱。
- 为了安全在各个电动机線路中，均設有安全負荷的控制設備。
- 用途: 最适用于建筑工程工地、木工厂、傢俱厂等工业部門，加工方料、板材四面同时鉋光和立面裁口使用。

25X1

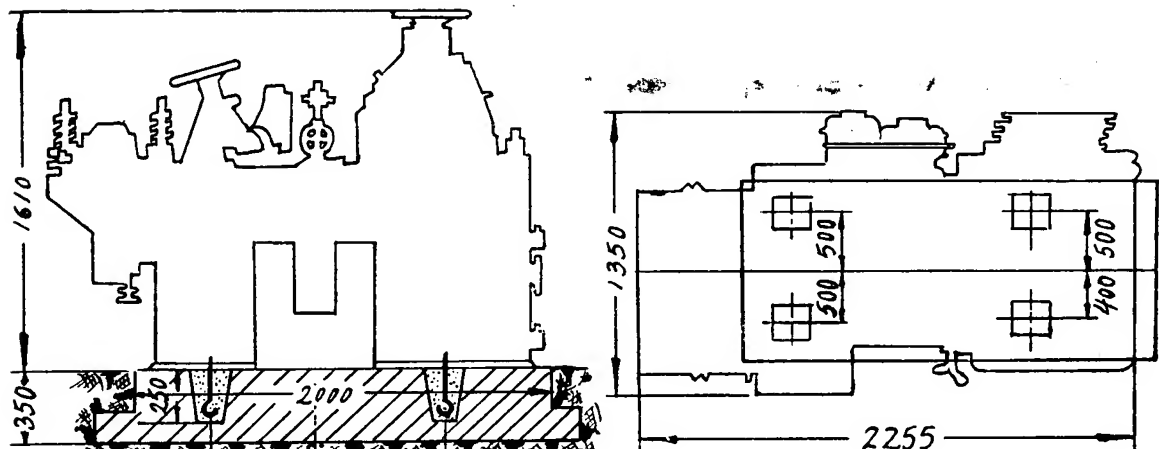
四面壓鉋床

25X1

主 要 規 格

| | | | |
|----------------------|--------------|-----------------------|---------|
| 被加工材料的最大寬度(公厘) | 300 | 交流电源的电动机 | |
| 被加工材料的最大厚度(公厘) | 125 | 下面橫車头: | |
| 被加工材料的最小長度(公厘) | 400 | 动力(瓩) | 4.5 |
| 車头数量: | | 轉数(轉/分) | 3,000 |
| 橫車头 | 2 | 上面橫車头: | |
| 豎車头 | 2 | 动力(瓩) | 7.0 |
| 車头軸的直徑(公厘) | 180 | 轉数(轉/分) | 3,000 |
| 車头主軸速度(轉/分) | 2,900 | 豎車头: | |
| 豎車头的移动(公厘) | 100 | 动力(瓩) | 4.0 |
| 送料速度的变换(种) | 5 | 轉数(轉/分) | 3,000 |
| 送料速度(公尺/分) | 6、8、11、22及32 | 送料机构: | |
| | | 动力(瓩) | 2.8 |
| | | 轉数(轉/分) | 1,000 |
| | | 机床体积(長×寬×高)(公厘) | |
| | | 2,250×1,350×1,610 | |
| | | 机床重量(公斤) | 大約2,700 |

四面压鉋床按裝圖

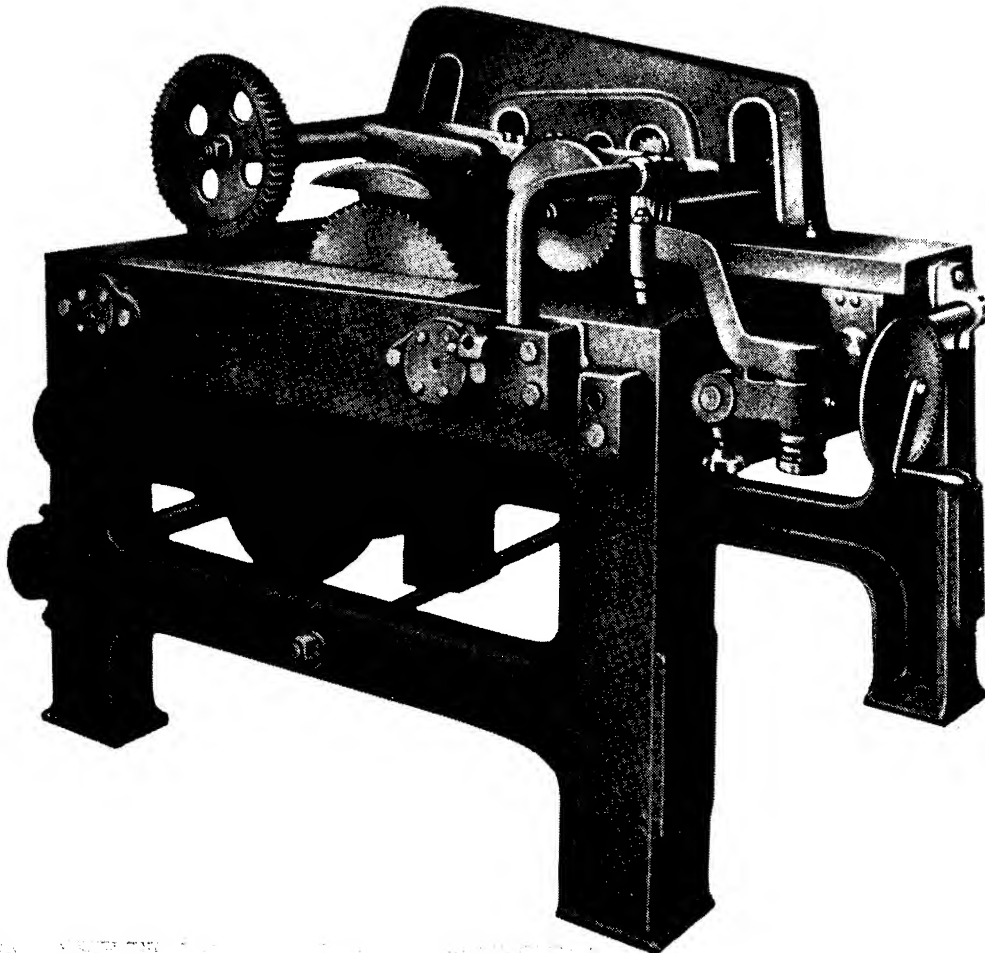


25X1

自動送料圓鋸機

25X1

II A 型



- 特点:
1. 本机床設有自动送料裝置它由齒輪滾筒和后輪三个主要部份構成，能夠按着加工木材厚度準確和自动送料。因此它在自动送料上較比其他圓鋸机具备了优越性。
 2. 本机床具有很高的工作效率。
 - ① 鋸齒每分鐘切削速度在3.900公尺以上。
 - ② 自动送料速度每分鐘最高可达75公尺，同时根据加工木材的性質和要求，还可适当的將其送料速度變換为每分鐘33和55公尺兩段速度。
 3. 本机床設有縱行導板保證在高速鋸割的条件下加工木材送料準確。
 4. 本机床設有安全防护罩防止木材在加工过程中飞出保證安全作业。
 5. 本机床开关車均由电鈕操縱。

用途: 根据以上特点本机床被採用在鋸木鋸板材及其他木材加工工业上作为縱鋸板材去料和開合板之用。

25X1

自動送料圓鋸機

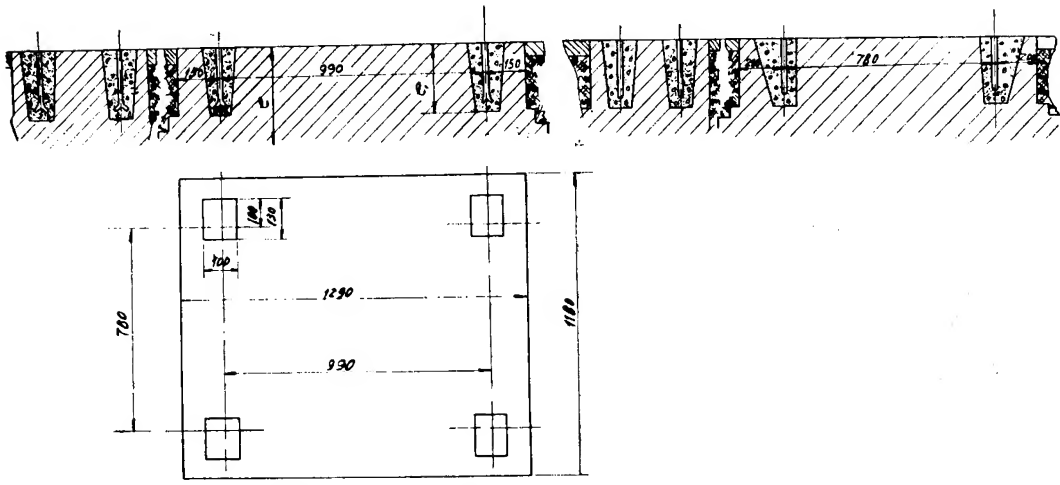


25X1

主要規格

| | | |
|-----------------|-----------------------------|-----------------------|
| 能鋸最大厚度(公厘) | ..... | 80 |
| 能鋸最大寬度(公厘) | 最大 | 300 |
| | 最小 | 5 |
| 能鋸最短材料(公厘) | ..... | 665 |
| 送料速度種類(種) | ..... | 3 |
| 送料速度(公尺/分) | ..... | 33 × 50 × 75 |
| 鋸片最大直徑(公厘) | ..... | 450 |
| 鋸片轉數(分/轉) | ..... | 2,800 |
| 工作檯到地面距離(公厘) | ..... | 760 |
| 交流電動機 | ³⁸⁰ / 220 (瓩) |10 |
| 機床體積(長×寬×高)(公厘) | ..... | 1,600 × 1,200 × 1,150 |
| 機床重量(公斤) | ..... | 約1,830 |

自動送料圓鋸機按裝圖

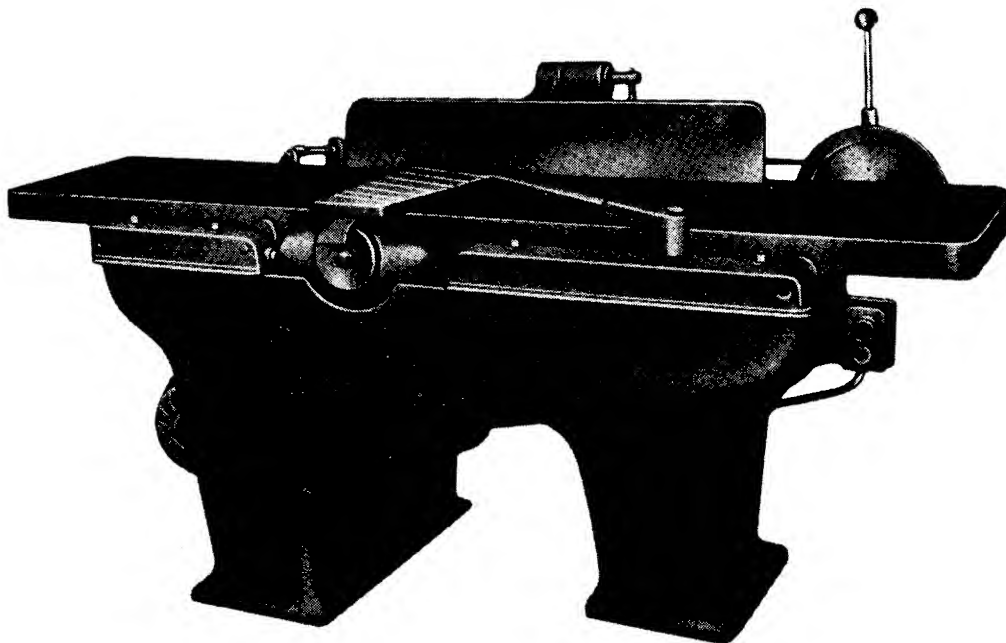


25X1

平面精刨床

25X1

CΦ-6型



- 特点:
1. 本机床工作台由前后两个部份組成。通过偏心机构的作用可使工作台上下起落和前后移动, 这样就能变换工作台面与刨刀軸之間的相对距离。上下起落可以調节进刀深度, 前后移动, 便于裝換刨刀。在操作中按着刻度轉动手輪可迅速的按着加工尺寸的需要調节进刀深度。
 2. 刨刀主軸, 帶有精密調整刨刀裝置。
 3. 刨刀主軸, 裝置在床身内部。由单独电动机用三角帶帶动。
 4. 本机床設有活动导板, 可根据工作物需要調整高度和角度。
 5. 本机床为了操作安全, 設有可移动的防护罩, 保护着刀軸, 并且防止用手送料时可能发生的危險。
 6. 開車停車使用电鈕操縱。

用途: 最适用于建筑工程工地, 木工厂傢俱厂等工业部門, 加工方材, 板材刨光及刨斜面之用

25X1

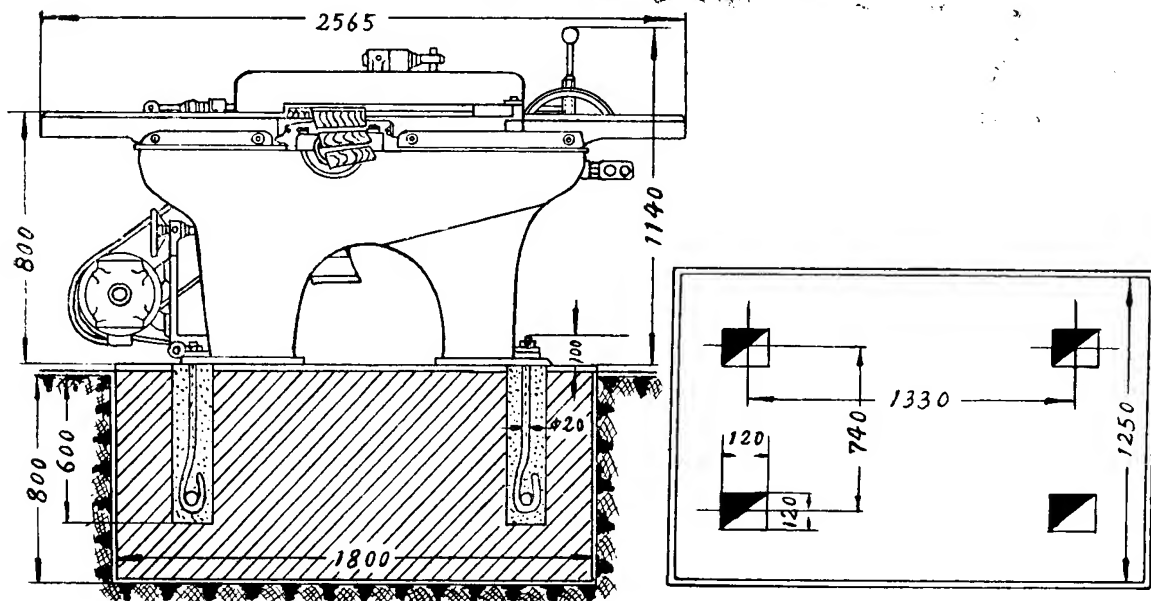
平面精鉋床

25X1

主要規格

| | | | |
|---------------------|-------|-----------------------|-----------------------|
| 最寬能鉋(公厘) | 600 | 交流電動機 | |
| 工作臺總長(公厘) | 2,500 | 動力(瓩) | 4.5 |
| 前工作臺長度(公厘) | 1,500 | 轉數(轉/分) | 3,000 |
| 工作臺間的最小距離(公厘) | 65 | 機床體積(長×寬×高)(公厘) | |
| 工作臺最大豎向移動(公厘) | 9 | | 2,565 × 1,420 × 1,140 |
| 工作臺到地面距離(公厘) | 800 | 機床重量(公斤) | 大約1,000 |
| 刀軸轉數(轉/分) | 5,000 | | |
| 刀軸上刀片數量 | 2 | | |
| 刀軸的直徑(公厘) | 128 | | |
| 最大深度能鉋(公厘) | 6 | | |
| 導板最大傾斜度(度) | 45° | | |

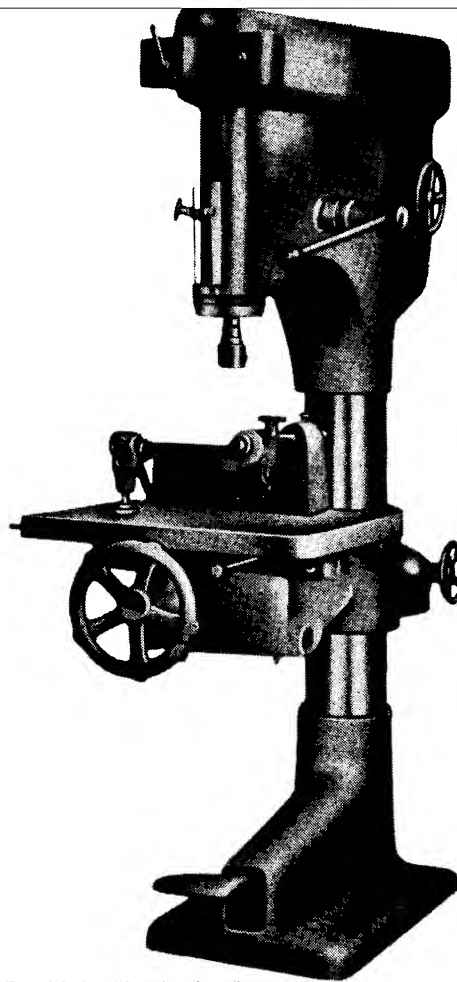
平面精鉋床按裝圖



25X1

立式鑽孔樺槽機

25X1



- 特点：
1. 本机床由床身，工作台和車头三个主要部分構成。輕快精巧。便于中小型板材方材鑽孔开槽加工之用。
 2. 电动机安装在床身上部，用三角帶帶动着車头，由二級塔輪，可变兩種轉速。
 3. 車头上卡着鑽孔和开槽用的刀具，可通过脚踩「蹬板」或手搬「搬把」的操作上下起落，进行鑽孔和开槽工作。
 4. 工作台和托架連結一起，卡在床身圓柱上，可以圍繞圓柱作水平轉动，也可沿圓柱直立方向上下移动。工作台可以和水平線傾斜 90° 以內的角度，同时为了完成樺槽工作并可以在水平方向左右移动。

用途： 最适合于建筑工程工地、木工厂、傢俱厂等工业部門，加工板材方材鑽孔和开槽之用。

25X1

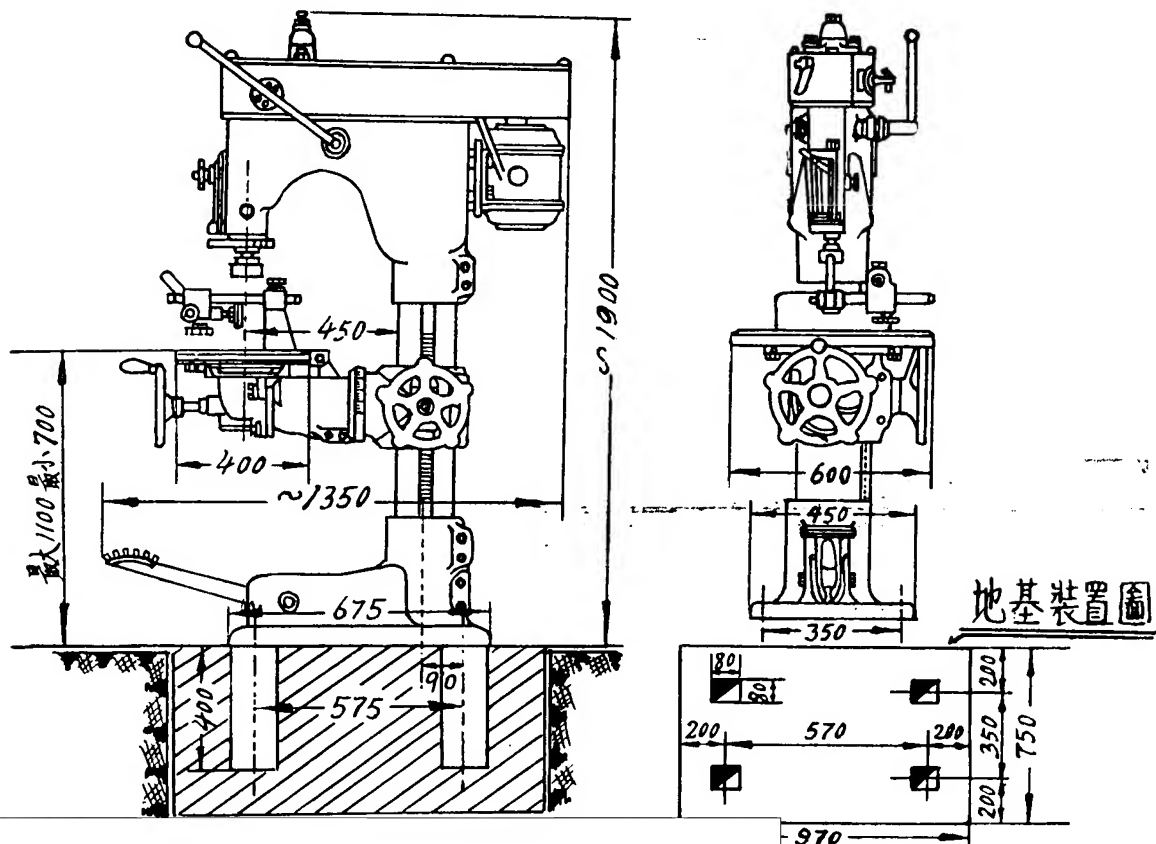
立式鑽孔樺槽機

25X1

主要規格

| | | | |
|---------------------|-------------|-----------------------|---------------------|
| 开槽最大長度(公厘) | 200 | 交流电动机 | |
| 鑽孔最大深度(公厘) | 150 | 动力(瓩) | 1.7 |
| 主軸轉数(轉/分) | 3,000及4,500 | 轉数(轉/分) | 3,000 |
| 鑽头最大直徑(公厘) | 50 | 机床体积(長×寬×高)(公厘) | |
| 鑽头中心距离台面(公厘) | 450 | ..... | 1,090 × 600 × 1,715 |
| 工作台垂直移动距离(公厘) | 400 | 机体重量(公斤) | 約360 |

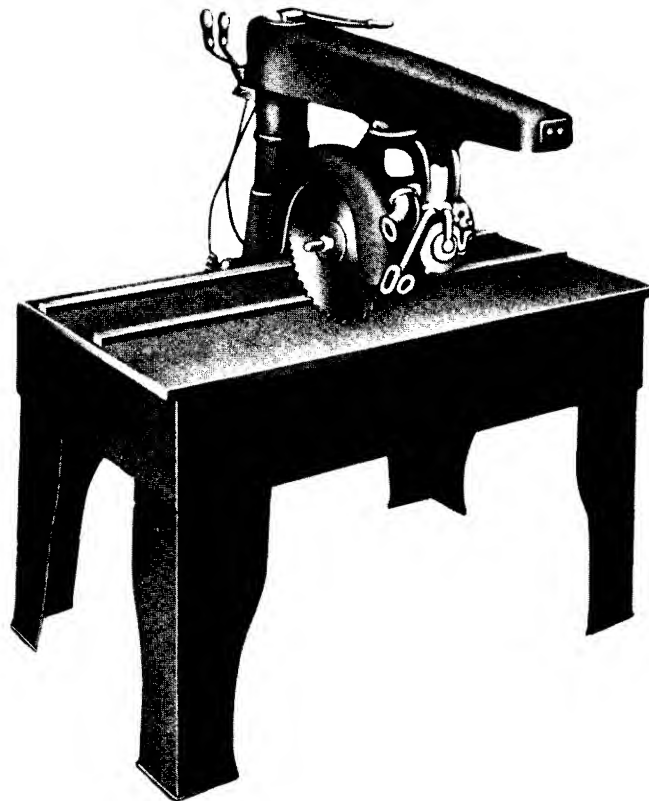
立式鑽孔樺槽机按裝圖



25X1

萬 能 木 工 鋸 床

25X1



- 特点:
1. 本机床只用一片圓盤鋸時，就能完成 10~12 種不同的主要作業。
 2. 若用圓盤鋸配合切槽刀，銑刀和其他刀具，則機床上可以完成的工業數量就會無限的增加。
 3. 電動機固定在移動架上，它可以在平行於工作台的水平面上，旋轉 360°。
 4. 在切削工具上面固定著護罩，當其與收塵管接上時又可為收入切削鋸屑的吸塵器。
- 用途:
- 本机床為供縱鋸、橫鋸、各種角度的方材板材和膠合板同時并能銑削各種形狀及開榫鑽孔工作。該机床能適用到所有木材加工的生計上，在建築工地上和在模型車間上。

25X1

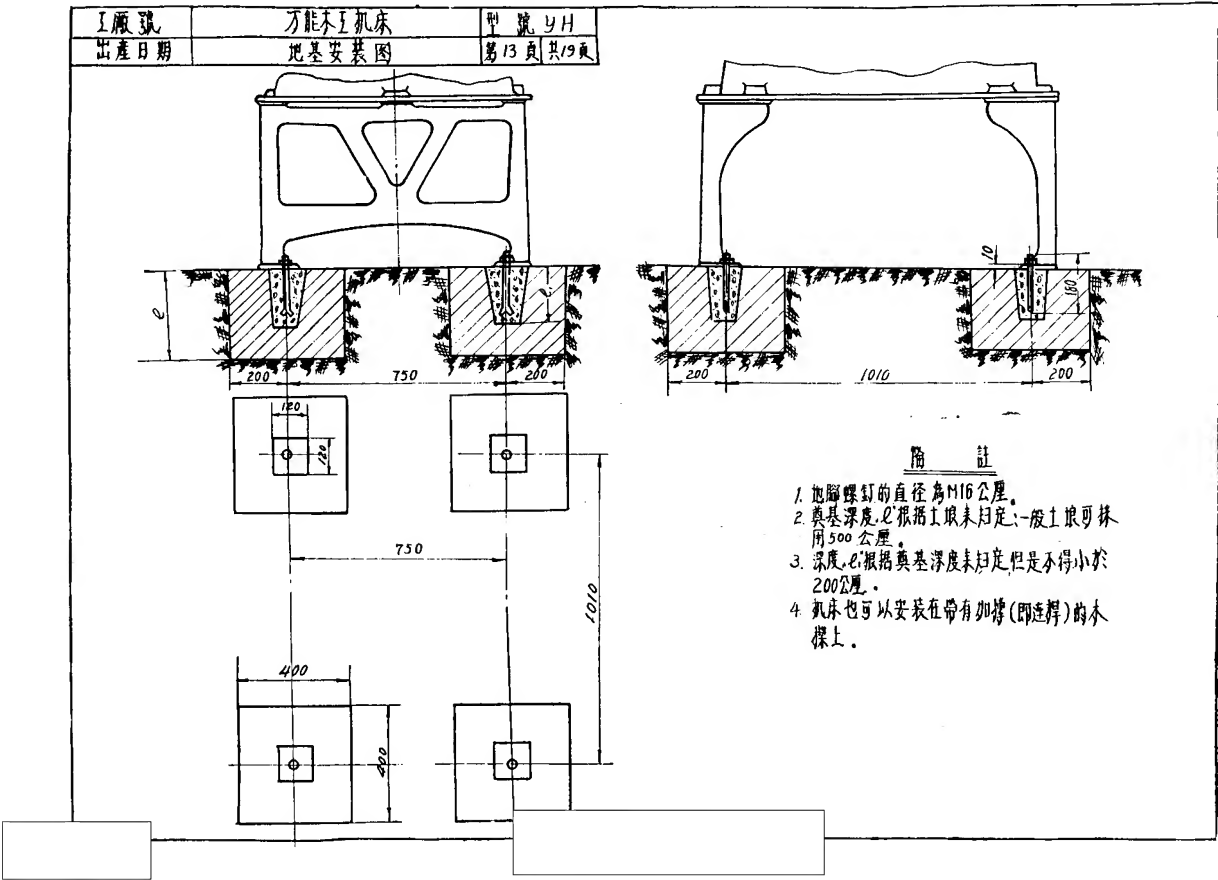
萬能木工鋸床

25X1

主要規格

| | |
|-----------------|----------------------|
| 工作台距地面高(公厘) | 798 |
| 工作台尺寸(公厘) | 1,250 × 700 |
| 電動距工作台中心高 | |
| 最小(公厘) | 100 |
| 最大(公厘) | 535 |
| 臂架升降距離最大(公厘) | 435 |
| 橫臂導程(公厘) | 700 |
| 圓鋸最大直徑(公厘) | 400 |
| 橫臂沿圓柱體中心(迴轉角度) | 360° |
| 電動機(水平轉) | 360° |
| 電動機軸心錢和工作台(角度) | 90° |
| 所需功率(瓩) | 3.2 |
| 刀具轉數(轉/分) | 2,930 |
| 機床外形尺寸(公厘長×寬×高) | 1,400 × 1,300 × 194° |
| 機床重量(公斤) | 475 |

萬能木工鋸床按裝圖



25X1

Sanitized Copy Approved for Release 2010/02/24 : CIA-RDP80T00246A035700170001-7

25X1

- 構造：
1. 本機由吊掛及懸掛式機架兩個主要部份構成。
 2. 吊掛用螺釘固定在梁上或架上。
 3. 懸掛式機架，通過兩個同心轉動軸和吊掛聯結在一起，懸掛在吊掛的下面。機架上部安設着電動機，下部安設着圓鋸主軸和圓鋸片。電動機通過皮帶的傳動，帶動着主軸。
 4. 在操作時，用手移動機架，則此機架即以轉動軸為中心，以機架長（1,965公厘）為半徑作一個大弧線運動。這樣就完成了鋸割工作。
 5. 本機設有配重裝置，保證機架在鋸割工作完了時，自動的返回原來的傾斜位置，便於操作。

用途： 本機廣泛的被採用在木材加工業上，作為板材，方材，等截頭以及粗加工之用。

主 要 規 格

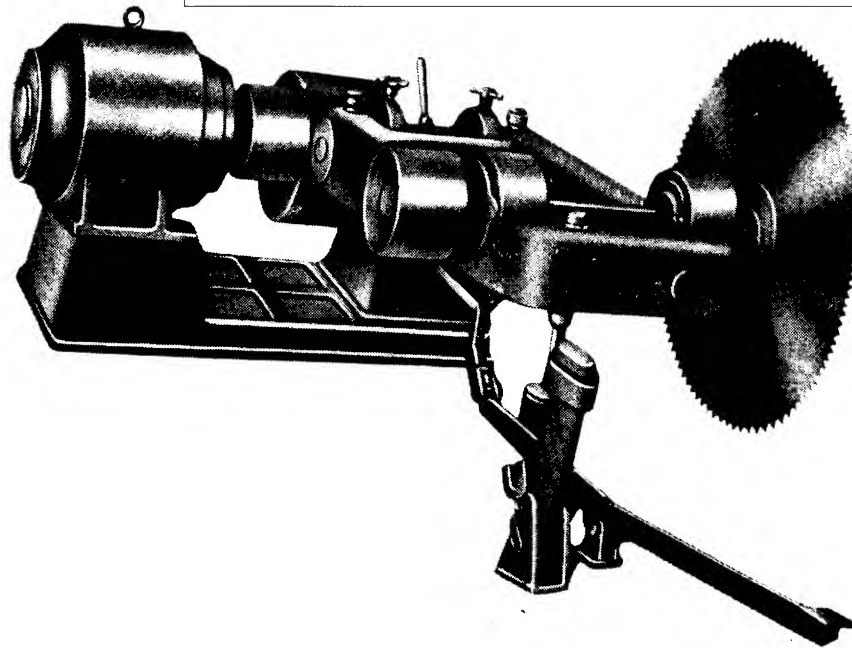
| | |
|-------------------|------|
| 最大鋸木高度(公厘) | 225 |
| 最大鋸木寬度(公厘) | 500 |
| 鋸盤最大直徑(公厘) | 650 |
| 鋸片孔徑(公厘) | 35 |
| 鋸盤轉數(轉/分) | 1500 |
| 鋸盤線速度(公尺/秒) | 50 |

交流電動機

| | |
|---------------|------|
| 動力(瓩) | 4.5 |
| 轉數(轉/分) | 1500 |
| 機體重(公斤) | 280 |

11K5-3

25X1



- 構造特點：
1. 本機床設有能够上下起落的旋臂，上面裝設着主軸和圓鋸片。
 2. 在操作時，用腳踩動腳踏板，就可以使圓鋸片上下起落，這樣就能對放在工作台上的木材進行鋸割，非常輕便。
 3. 本機床設有單獨的電動機，經皮帶傳動，爲了防止皮帶鬆動，並設有偏心式的自動調緊裝置。
 4. 在本機床上面，由使用者自己根據使用情況，架設上木製的工作台，作爲放置加工木材之用。在工作台上要參照機床圓鋸片的位置，留出縫口。

用途： 本機床廣泛的被採用在鋸木工廠等加工業中，作爲截斷木板，木方及元木等。

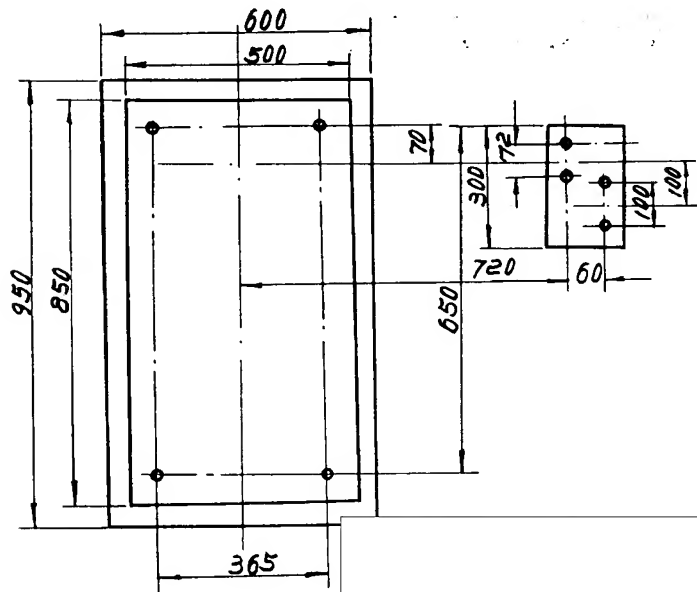
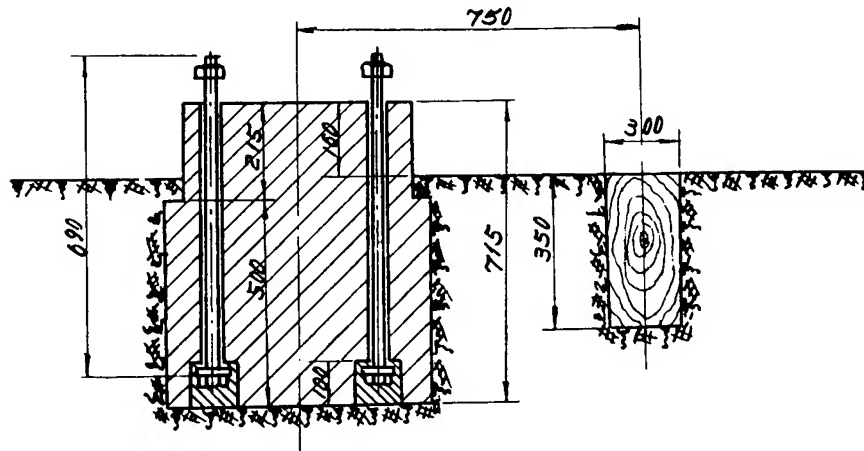
25X1

主要規格

25X1

| | |
|----------------------|---------------|
| 鋸斷材料最大厚度(公厘) | 150 |
| 鋸斷材料最大寬度(公厘) | 350 |
| 鋸片直徑(公厘) | 500-700 |
| 鋸片轉數(轉/分) | 1535 |
| 交流電動機 | |
| 動力(瓩) | 7.0 |
| 轉數(轉/分) | 1500 |
| 機床體積(公厘) | 1840×1110×850 |
| 機床體重(公斤) 長×寬×高 | 約350 |

腳踏擺動圓鋸機按裝圖



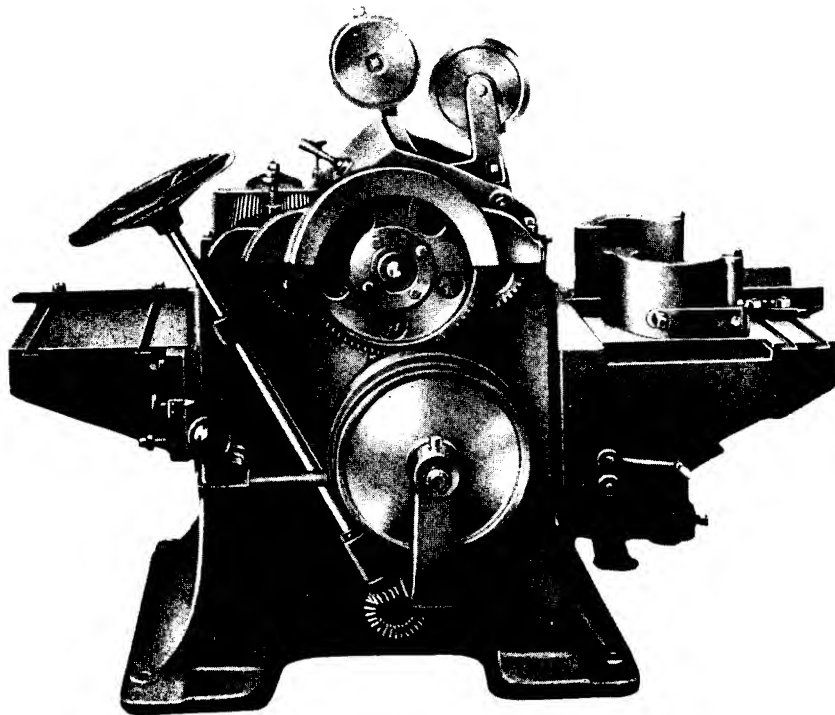
25X1

25X1

三面壓鉋床

25X1

K-3 型



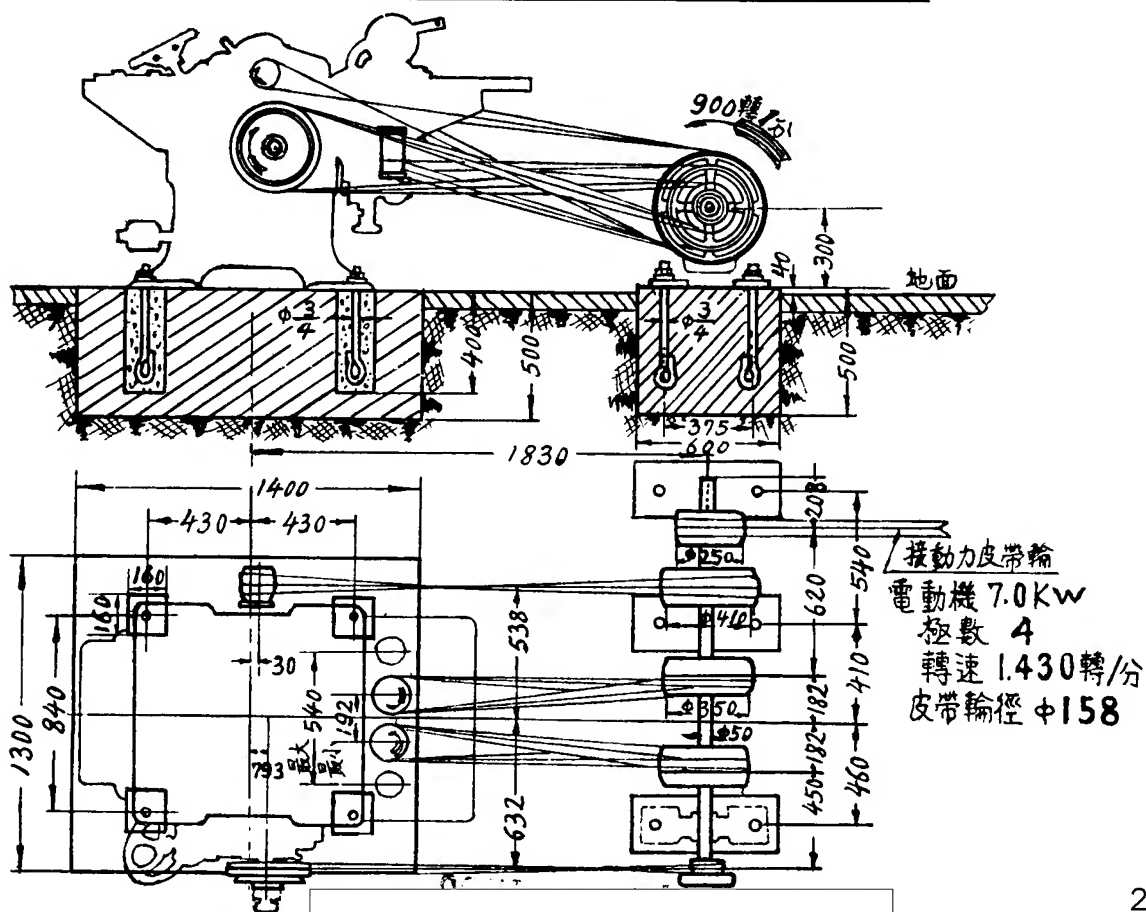
- 特点:
1. 本机床設有三个鉋刀軸，(一橫兩豎)橫鉋在上面，豎鉋在左右兩個立面。
 2. 被加工的木材，三面可以同时鉋光，也可代替一面鉋鉋光使用。
 3. 如果在兩個立鉋軸上增添裁口刀具，可以代替裁口机使用。
 4. 机体上共設有六个送材滾，可以自动送料。
 5. 工作台通过手輪轉动，可按标尺起落，尺寸准确。
- 用途: 最适用于建筑工程工地，木工厂，傢俱厂等工业部門，加工方材，板材鉋光之用，并也可以代替裁口机使用之。

25X1

主 要 規 格

| | | | |
|-------------------------|-----|---|--------------|
| 能鉋寬度最大 (三面時) (公厘) | 300 | 橫豎鉋直徑 (公厘) | 160 |
| (平面時) (公厘) | 450 | (橫鉋) (轉/分) | 3,200 |
| 能鉋寬度最小 (公厘) | 50 | 鉋軸轉速 (豎鉋) (轉/分) | 3,500 |
| (三面時) (公厘) | 120 | 送料滾直徑 (公厘) | 82 |
| 能鉋厚度最大 (一面時) (公厘) | 150 | 交流電動機 | |
| 能鉋厚度最小 (公厘) | 10 | 電動機容量 (瓩) | 7.0 |
| 送料速度 (兩種) (公尺/分) | 6—9 | 轉數 (轉/分) | 1,440 |
| (橫鉋) (公尺/秒) | 20 | 體積 (長×寬×高) (公厘) $1,620 \times 1,460 \times 1,200$ | |
| 鉋刀周速 (豎鉋) (公尺/秒) | 20 | 使用工作地面积最小 (長×寬) (公尺) | 8×4 |
| 傳動方式 | 皮代 | 體重 (公斤) | 總重約 1,300 |
| 每次切削厚度最大 (公厘) | 6 | | |

三面压鉋床按裝圖

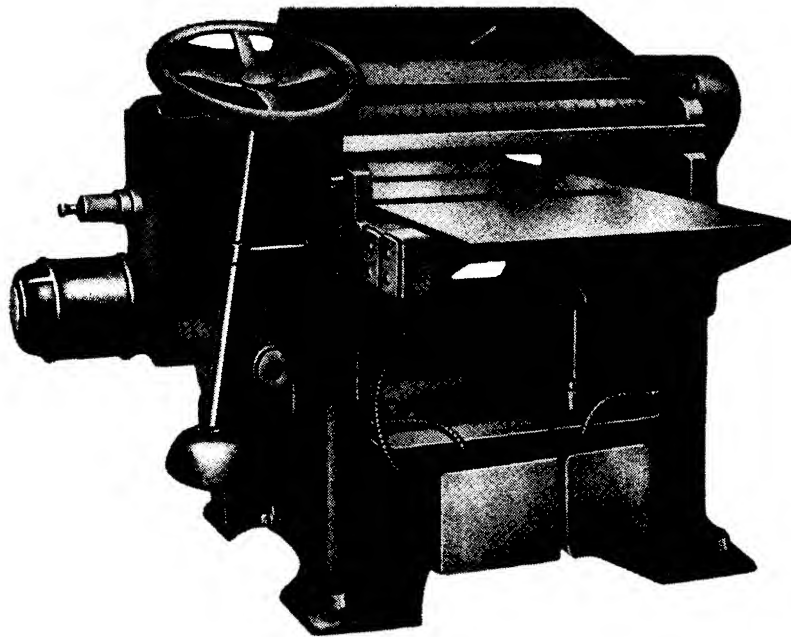


25X1

單面壓鉋床

25X1

CP 6—2型



- 特点：
1. 本机床有着很高的生产效率每分鐘可鉋木板 14 多公尺長。
 2. 本机床可鉋寬达 600 公厘，高达 200 公厘的木板方材。
 3. 鉋刀主軸上設有精密的，鉋刀調整裝置。有單獨电动机通过三角帶帶動。
 4. 減速器：由單獨电动机直接帶動并驅動着上部送材滾。
 5. 工作台上設有兩個送料浮滾，它是对加工的木材起着自下而上的支持滾送作用。随着木材厚度可轉动手輪使工作台按标尺起落。
 6. 上部送材滾和送料浮滾，結合起来組成自动送料機構。
 7. 安全設備：有鉋刀主軸防護罩、三角帶防護罩和送料逆止防護輪。
 8. 开、关車使用电鈕操縱。

用途： 最适用于建筑工程工地、木工厂、傢俱厂等工业部門，加工方材、板材鉋光之用。

25X1

單面壓鉋床

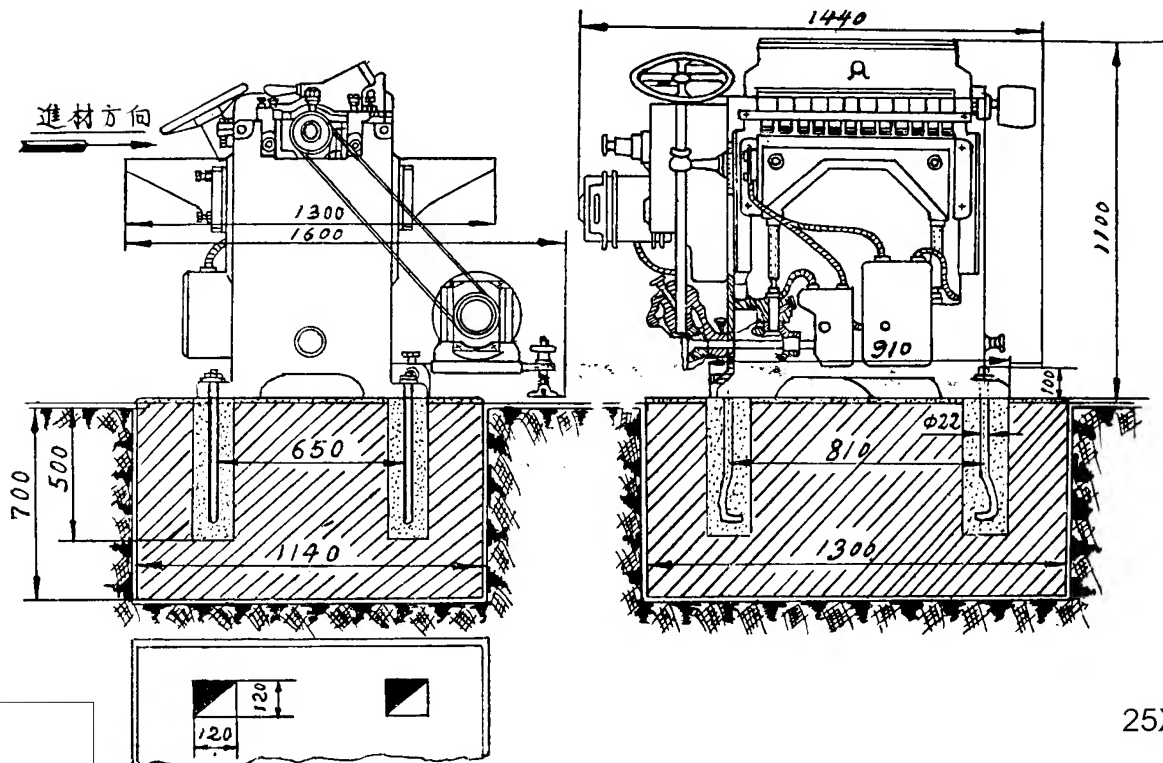
25X1

主要規格

最寬能鉋(公厘)..... 600
 最厚能鉋(公厘)..... 200
 送料速度(公尺/分)..... 10.5及14.5
 刀軸轉數(轉/分)..... 4,250
 交流電動機
 (-) 鉋刀車頭:
 動力(瓩)..... 7.4
 轉數(轉/分)..... 3,000

(二) 送料:
 動力(瓩)..... 0.85
 轉數(轉/分)..... 1,000
 机床体积(長×寬×高)(公厘).....
 1,600×1,440×1,100
 机床重量(公斤)..... 約950

單面壓鉋床安裝圖

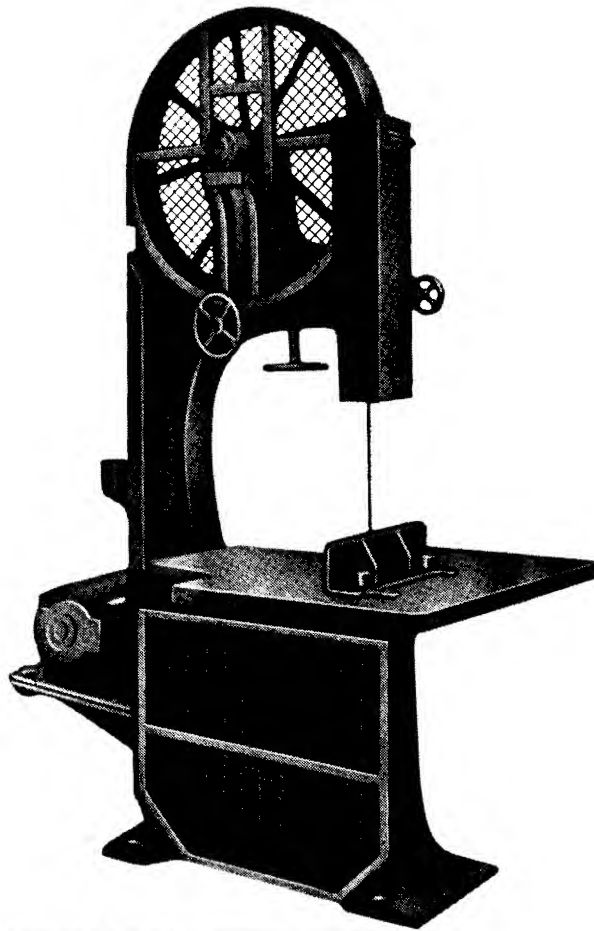


25X1

萬 能 帶 鋸 機

25X1

ЛС 80—2型



- 特点:
1. 本机床設有輕巧堅固的弓形床身，在下部設有可以轉動 40° 的工作台。因此它可以鋸割出直角的和傾斜的鋸口來。這是一種萬能性。
 2. 另外一種萬能性是，它不但可以鋸割出直線鋸口，而且還可以鋸割出曲線的鋸口。
 3. 本机床構造，在強度上堅固，在調節上精確輕便，在作用上準確可靠。
 4. 本机床具有很高的工作效率，鋸條每分鐘的切削速度，在 2.000 公尺以上。
 5. 本机床開關車均由電鈕操縱。
 6. 本机床設有完善的安全防護裝置。

用途: 由于萬能性和很高的工作效率，本机床的用途是非常廣泛的。它被採用在木工加工的工廠中(尤其是模型車間更為普遍)作為鋸割膠合板、板料和方料等。

25X1

萬能帶鋸機

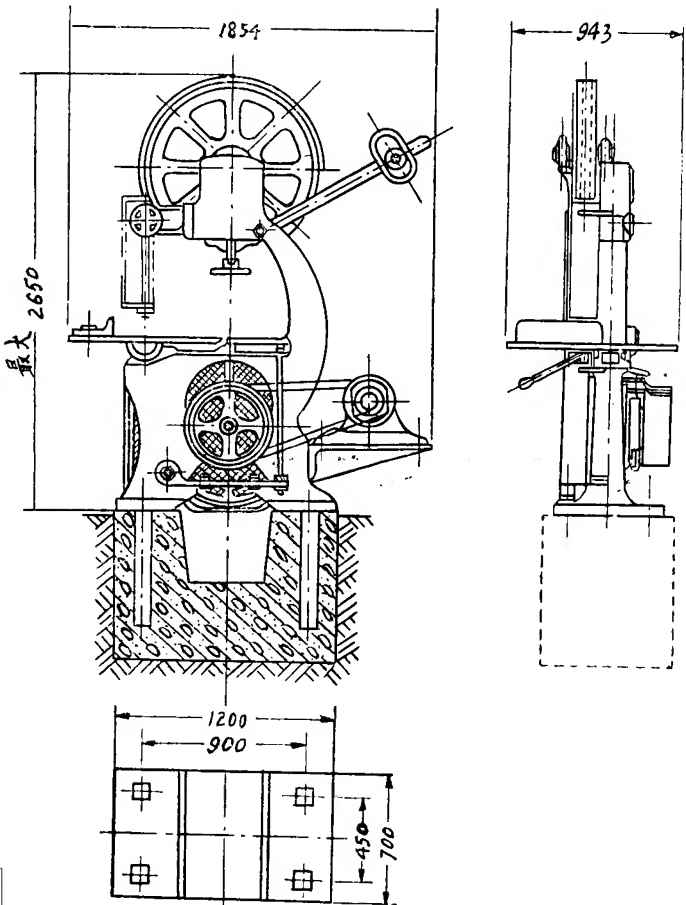


25X1

主 要 規 格

| | |
|-------------|---------------------|
| 鋸輪直徑(公厘) | 800 |
| 鋸輪轉數(分/轉) | 800 |
| 最高能鋸(公厘) | 570 |
| 最寬能鋸(公厘) | 715 |
| 最寬鋸條(公厘) | 35 |
| 工作台面積(公厘) | 940 × 790 |
| 台面能轉動最大角度 | 40° |
| 交流電動機 | |
| 能力(瓩) | 4.5 |
| 電動機轉數(分/轉) | 1,500 |
| 機床體積(長×寬×高) | 1,809 × 943 × 2,650 |
| 機床體重(公斤) | 約920 |

萬能帶鋸機按裝圖



25X1

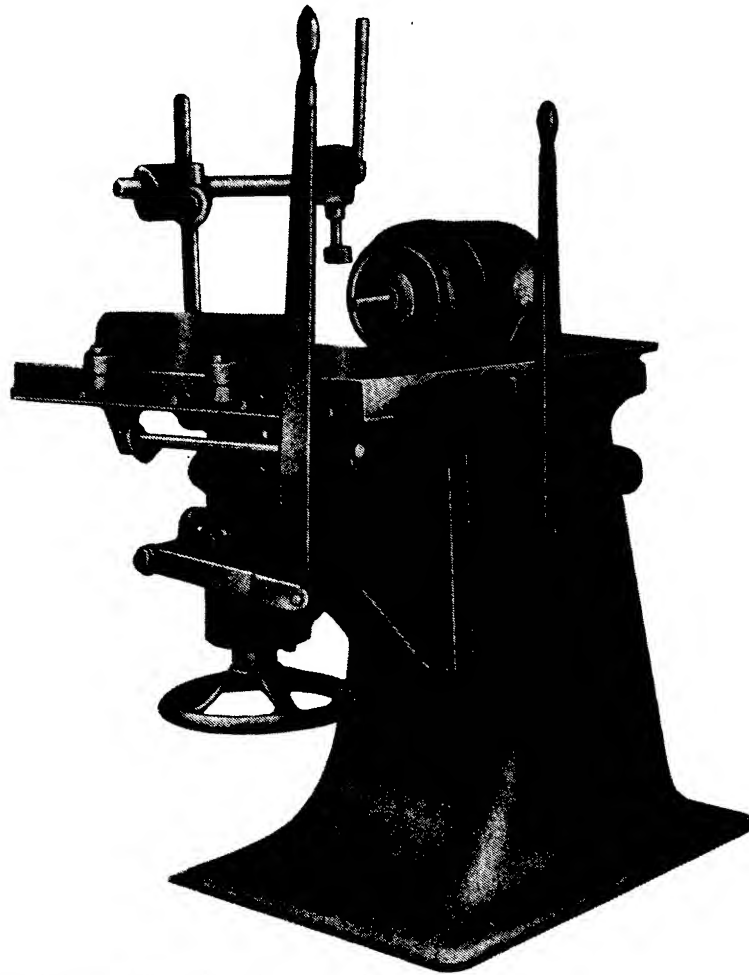


25X1

臥式鑽孔槽機

CBΓ-3M型

25X1



- 特点:
1. 本机床由床身, 車头和工作台三个主要部份組成, 适合于从水平方向鑽孔及开槽之用。
 2. 床身結構輕巧, 上面安設着車头和工作台。
 3. 車头由电动机和电动机座組成。电动机軸上, 裝有鑽头卡具, 可安鑽孔和开槽用的刀具, 經搬动「搬手」可以在水平方向前后移动。
 4. 工作台上卡着被加工的板料, 方材經轉动「手輪」可以上下移动, 經搬动前方「搬把」可以左右移动, 进行鑽孔和开槽工作。

25X1

用途: 最适合于建筑工程工地, 木工厂、傢俱厂等工业部門, 加工方材, 板材从水平方向鑽孔及开槽之用。

25X1

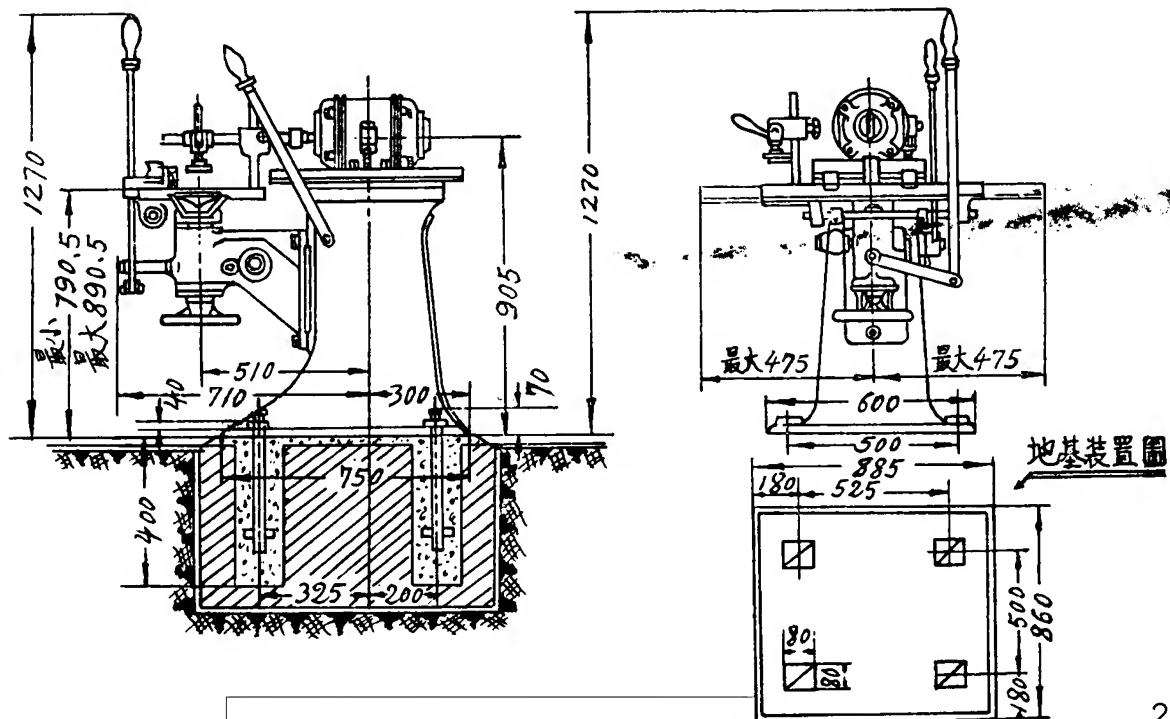
臥式鑽孔樺槽機

25X1

主 要 規 格

| | | | |
|------------------------|-----|-----------------------|---------------------|
| 鑽孔最大直徑(公厘) | 25 | 交流电动机 | |
| 鑽孔最大深度(公厘) | 100 | 动力(瓩) | 1.7 |
| 在一个裝置中樺槽最大長度(公厘) | 200 | 轉數(轉/分) | 3,000 |
| 方木材加工物最大高度(公厘) | 125 | 机床体积(長×寬×高)(公厘) | |
| 方木材加工物最大寬度(公厘) | 250 | ..... | 1,010 × 950 × 1,280 |
| 台面至鑽軸最大距離(公厘) | 115 | 机体重量(公斤) | 約320 |

臥式鑽孔樺槽機按裝圖

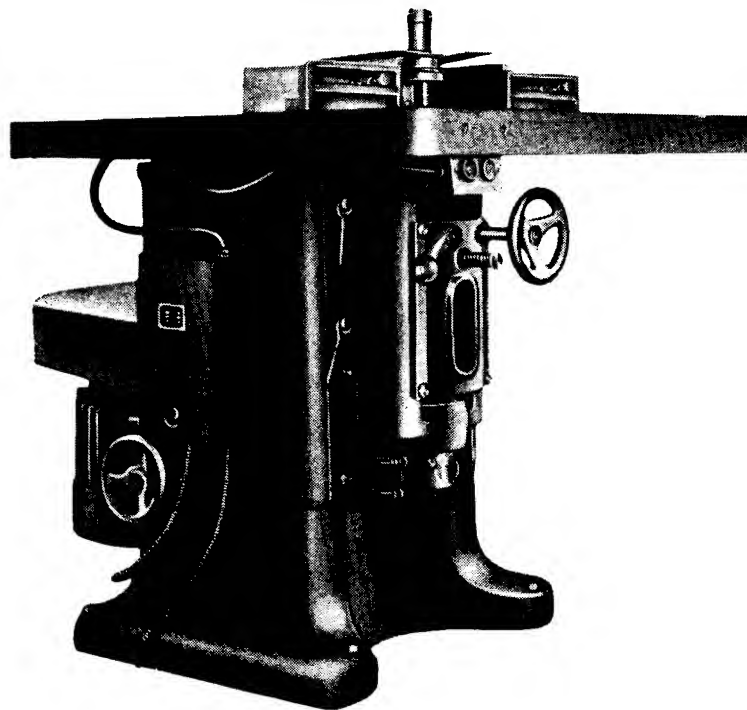


25X1

木工銑床

25X1

Φ—3 型



- 特点:
1. 本机床設有高速精密的主軸，由單獨电动机用皮帶帶動轉動圓滑，附有开榫和齐头兩種刀杆和刀具。
 2. 本机床設有自动潤滑油泵，保證高速迴轉部位的正常潤滑和最低溫度。
 3. 本机床開車关車使用电鈕操縱。
 4. 本机床經過改进刀具，可以当作銑床使用，銑出各种直線或曲線形狀。

用途: 最适用于建筑工程工地，木工厂，傢俱厂等工业部門方材，板材齐头、开榫、銑不同的直，曲線各种型狀之用。

25X1

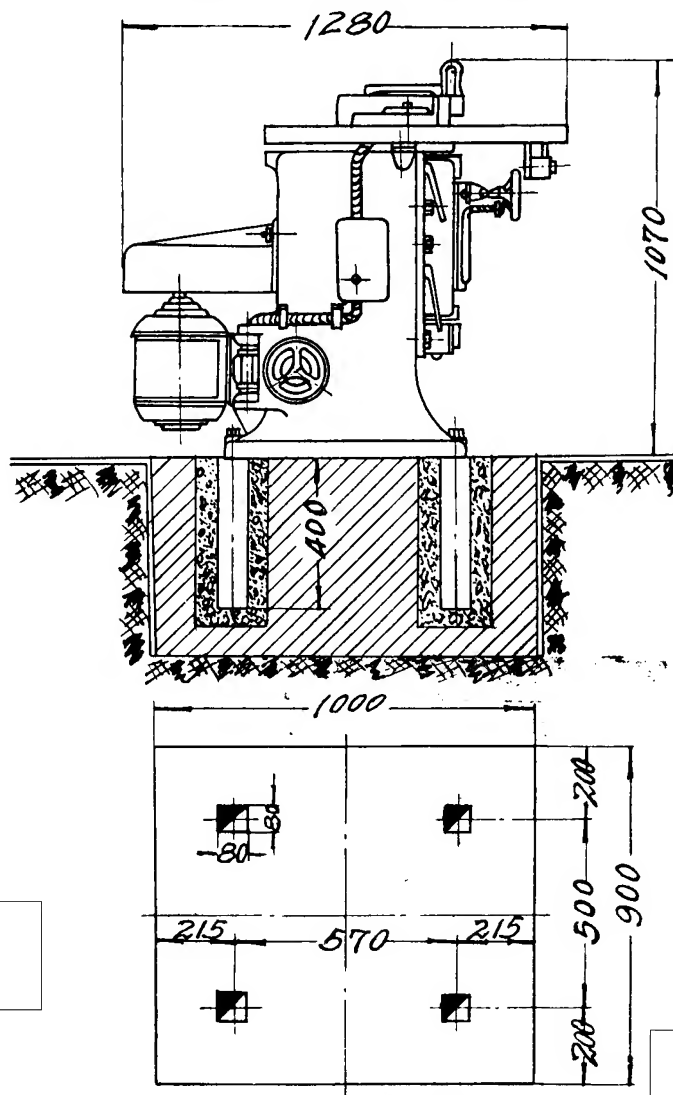
木工銑床

25X1

主要規格

| | |
|----------|-------------------------|
| 工作台的外形尺寸 | 1,000 × 850公厘 |
| 刀具心軸之直徑 | 30C |
| 主軸的轉速 | 6,000 - 8,000轉/分鐘 |
| 主軸皮帶輪直徑 | 75公厘 |
| 电动机皮帶輪直徑 | 160 - 200公厘 |
| 电动机功率 | 45瓩 |
| 电动机轉速 | 3,000轉 / 分鐘 |
| 滑板最大移動距離 | 100公厘 |
| 机床外形尺寸 | 1,280 × 1,000 × 1,070公厘 |
| 起動設備的电压 | 220 - 380伏特 |
| 机床重量 | 約450公斤 |

木工銑床按裝圖

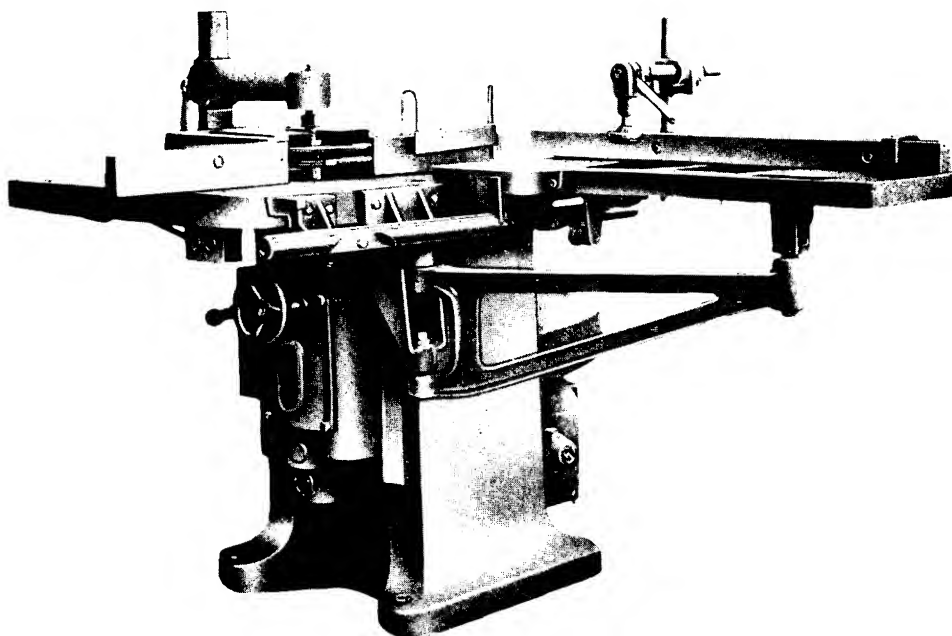


25X1

25X1

木 樺 銑 床

25X1



- 特点:
1. 本机床設有高速精密的主軸。由单独电动机用皮帶帶动轉动圓滑，附有开樺和齐头两种刀杆和刀具。
 2. 本机床設有平行精度很高的活动工作台，通过滾柱和导槓架設在固定工作台旁，保証樺头的尺寸精密和表面光洁。
 3. 本机床設有自动潤滑油泵，保証高速迴轉部位的正当潤滑和最低温度。
 4. 本机床開車关車使用电鈕操縱。
 5. 本机床經過改进刀具，可以当作銑床使用，銑出各种直線或曲線形狀。
- 用途: 最适用于建筑工程工地，木工厂，傢俱厂等工业部門方材，板材齐头、开樺、銑不同的直，曲線各种型狀之用。

25X1

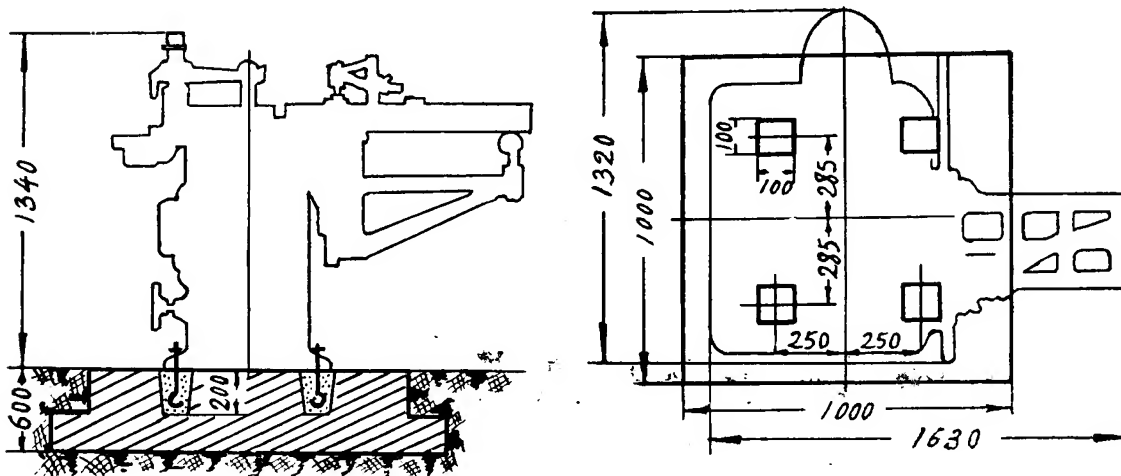
木 樁 銑 床

25X1

主 要 規 格

| | | | |
|------------------------|-----------|--------------------------------|-------|
| 床面面积(公厘)長×寬..... | 1,000×800 | 主軸皮帶輪直徑(公厘) | 75 |
| 齊樁頭寬度最大(公厘) | 45 | 主軸昇降行程(公厘) | 100 |
| 切樁深度最大(公厘) | 100 | 交流电动机 | |
| 切樁刀刀寬最小(公厘) | 12 | 电动机容量(瓩) | 4.5 |
| 主軸轉数(轉/分) (齊頭時用) | 8,000 | 轉数(轉/分) | 3,000 |
| (开樁時用) | 5,500 | 体积(長×寬×高)(公厘)1,630×1,320×1,340 | |
| 切樁盤直徑(公厘) | 250 | 重量(公斤) | 約550 |

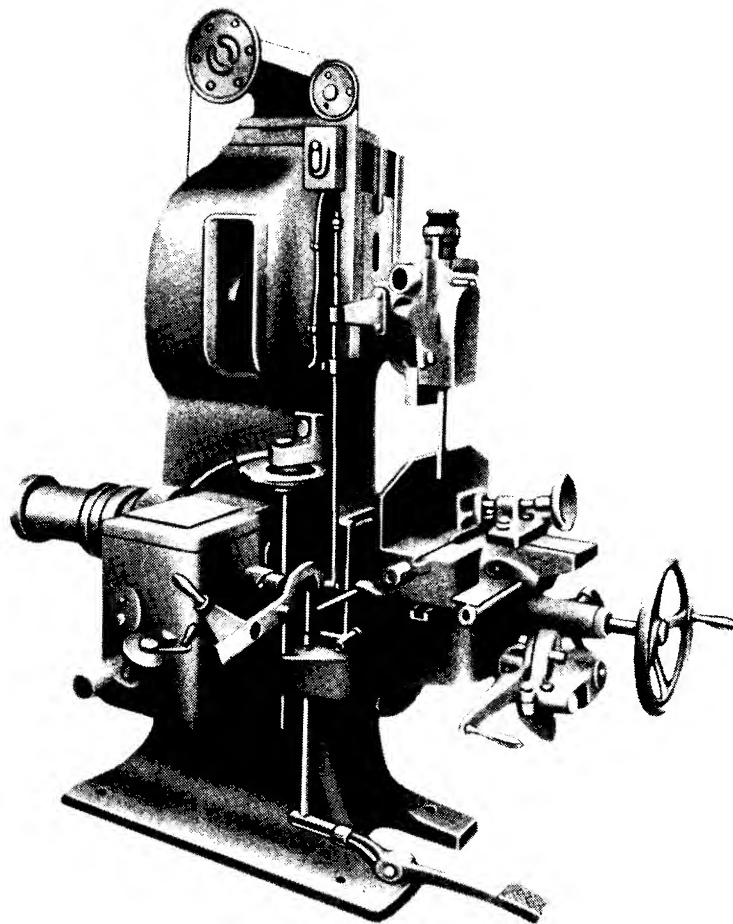
木 樁 銑 床 按 裝 圖



25X1

鏈式榫槽機

25X1



- 特点:
1. 本机床設有特种鏈式刀具，是專做开方形榫槽的机械有着很高的工作效率。
 2. 本机床設有独特的榫槽車头，裝置在床身上部的滑动面上，單独的电动机直接帶动鏈刀导輪驅使鏈式刀具，沿着导輪循环轉动。榫槽車头和电动变一起，可脚动的（籍着脚踏板的动作）或自动的（籍着減速器的动作）沿着床身的滑动面上下移动，根据工作物开槽深度正確的掌握着标尺尺寸，进行开槽工作。
 3. 在床身下部設有工作台，上面卡着工作物，可以在水平方向前后左右移动。
 4. 減速器 單独的由一个电动机直接帶动 担负着自动運轉的任务。
- 用途: 最适用于建筑工程工地，木工厂，傢俱厂等工业部門，加工方材，板材專做开方形榫槽之用。

25X1

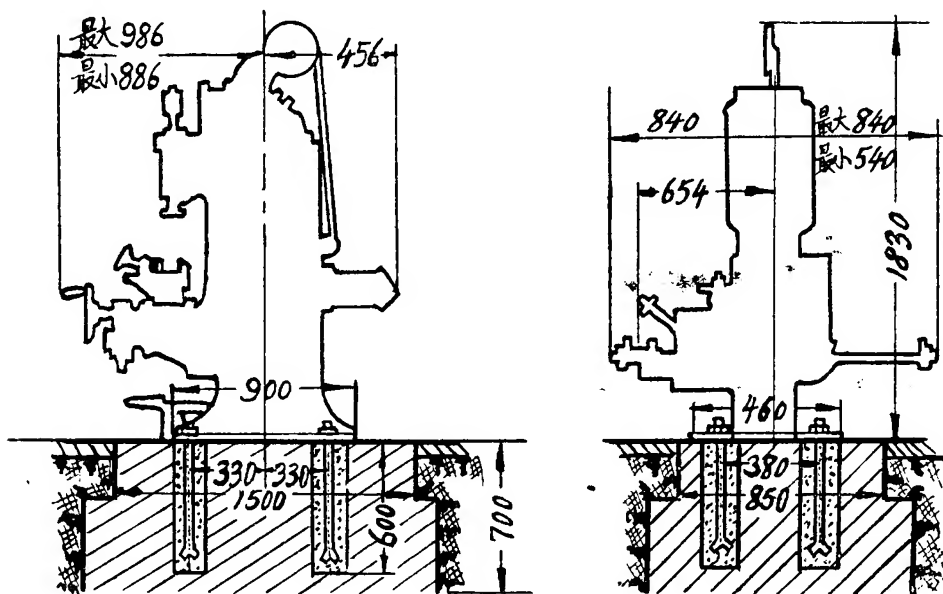
鏈式樺槽機

25X1

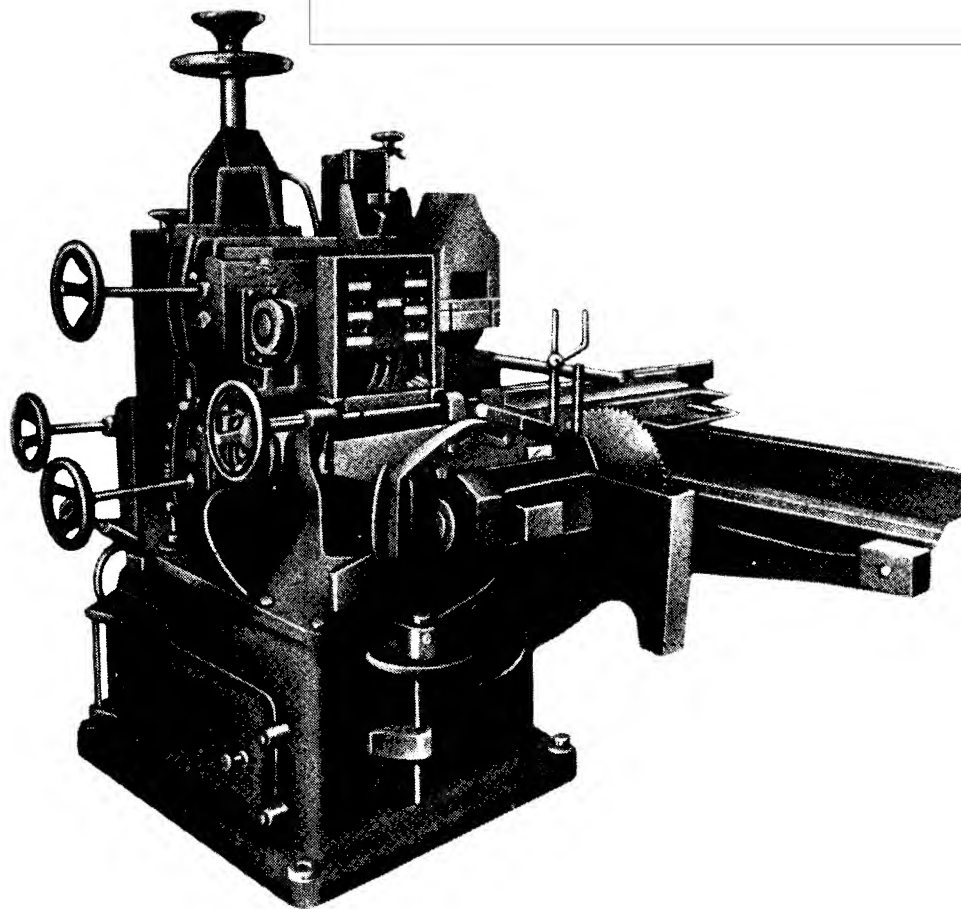
主 要 規 格

| | | | |
|------------------------|----------|-----------------|-------|
| 樺槽寬(公厘) | 6—16—30 | 交流电动机 | |
| 樺槽長(公厘) | 40—430 | 鏈傳动 | |
| 樺槽最大深度(公厘) | 175 | 动力(瓩) | 3.2 |
| 方木材最大寬度(公厘) | 200 | 轉数(轉 / 分) | 3,000 |
| 方木材最大高度(公厘) | 250 | 減速傳动 | |
| 工作台最大移动距离(公厘) | 100 | 动力(瓩) | 10 |
| 架的工作进程速度(公厘 / 分) | 18.29.40 | 轉数(轉 / 分) | 1,000 |
| 加的放空进程速度(公厘 / 分) | 65 | | |

鏈式樺槽機按裝圖



25X1



25X1

- 構造：**
1. 本機床設有6個直結電動車頭，分別按着一個加工線，裝設在床身外邊。
 2. 在上述加工線上設有活動工作台，上面載着用快速卡具卡着的加工木材，沿着加工線方向往復移動，供應上述6個電動車頭的切削。
- 特點：**
1. 本機床設有6個電動機都單獨運轉，用電鈕控制。
 2. 本機床被認為屬於重型木工機械切削機床。
 3. 本機床6個電動機車頭，科學的按着開榫順序組成一個完整的開榫工程，各個車頭都能精確的調整，有着很高的工作效率。
 4. 各個車頭既可聯合在一起作為完整的開榫之用，又可分開各自單獨的進行鋸割，銑形和掏槽等木材加工工作。
- 用途：** 本機床廣泛的被採用在傢俱標準件製造，車箱製造，汽車製造，和木材加工廠中，作為方材板材端部開出各種形狀的榫頭之用。

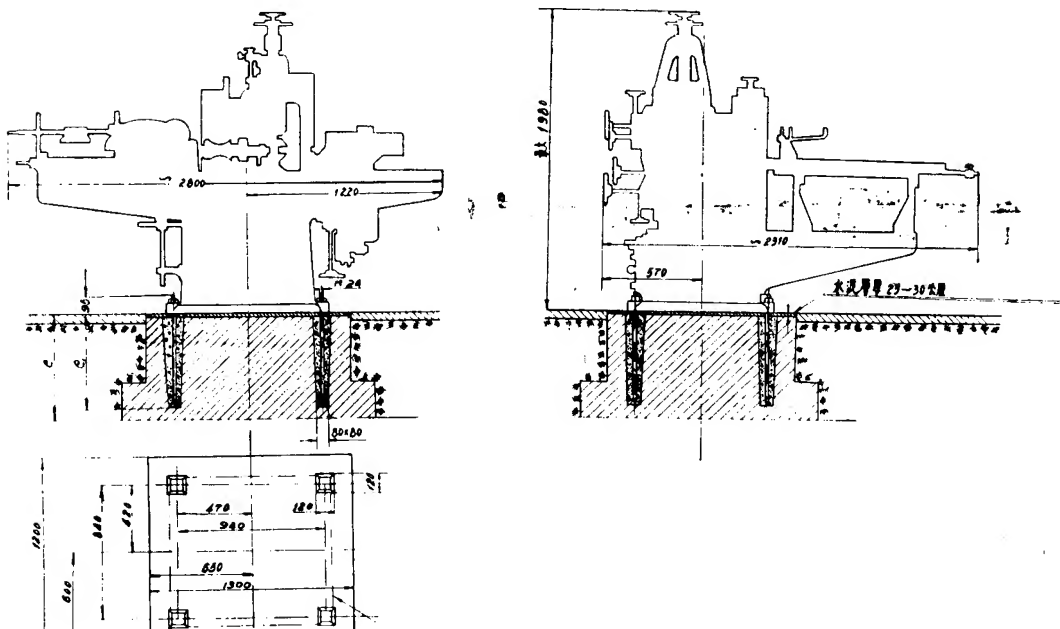
25X1

25X1

主要規格

| | |
|-----------------|----------------|
| 能開最長的樺槽(公厘) | 200 |
| 能開最高樺頭(公厘) | 50 |
| 被加工木材最大厚度(公厘) | 150 |
| 被加工木材最大寬度(公厘) | 400 |
| 能銑最大深度(公厘) | 125 |
| 陽樺最大厚度(公厘) | 30 |
| 刀架最大行程(公厘) | 1985 |
| 交流電動機 | |
| 圓鋸 | |
| 動力(瓩) | 3.2 |
| 轉數(轉/分) | 3000 |
| 水平車頭(兩個) | |
| 動力(瓩) | 2.2 |
| 轉數(轉/分) | 3000 |
| 鋸樺頭圓 | |
| 動力(瓩) | 4.0 |
| 轉數(轉/分) | 3000 |
| 切削車頭(兩個) | |
| 動力(瓩) | 1.0 |
| 轉數(轉/分) | 3000 |
| 機床體積(長×寬×高)(公厘) | 2800×2310×1980 |
| 機床體重(公斤) | 約2000 |

鋸樺聯合機按裝圖



25X1

工業用縫紉機

INDUSTRIAL SEWING MACHINE



25X1



中國運輸機械進口公司

NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

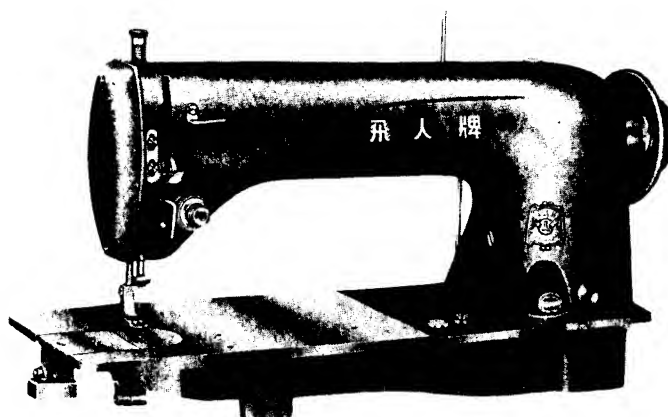
HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING



25X1

工業用縫紉機
LOCKSTITCH SEWING MACHINE
“FLYING MAN” MODEL 61300



This machine can be used advantageously in blanket factories, underwear factories, knitting mills and clothing factories for sewing cotton or woolen under-wears and outer-wears.

Constructed for two-thread lockstitch sewing, the main shaft runs at a very high speed of about 4000 stitches per minute, power being transmitted by canvas laminated bakelite gears ensuring smooth and silent running.

The essential working parts are heat treated and precision ground thereby minimizing friction and wear, so that these parts are very durable.

By means of automatic lubrication, oil is continuously fed into the essential working parts so that the machine has a long serviceable life. An oil level gauge is provided for frequent inspection of the oil contents. The oil can be changed once every six months of continuous operation.

The machine is equipped with thread take-up and knee-press for raising presser-foot.

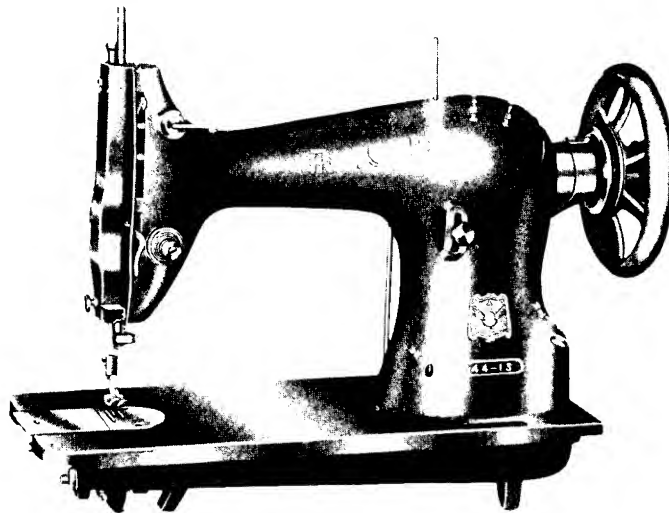
Length of stitch ... 4.5 mm.
 Maximum sewing speed ... 4000 stitches per minute
 Thickness of material sewn ... 5 mm.
 Working space under arm ... 275 × 110 mm.
 Overall dimension ... 510 × 20 × 290 mm.
 Power required ... 1/4 HP
 Stands ... Electric or treadle drive

Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|-----------------------|--------------------------|----------|------------------------------|
| | Nett | Gross | |
| 1 set Head | 30 kgs. | 42 kgs. | 66 × 35 × 42 |
| 1 set Table and Stand | 68 kgs. | 113 kgs. | 134 × 72 × 92 |

雙線連鎖縫紉機
CENTRAL BOBBIN SEWING MACHINE
(WITH OSCILLATING SHUTTLE)

“FLYING MAN” MODEL 44-13



This is an indispensable machine for industrial use. The maximum speed is about 2,200 stitches per minute. Aside from sewing light and medium weight fabrics, it also sews heavy weight materials such as canvas, leather, etc., and is especially suitable for mass production.

The machine shows the most judicious use of materials to resist strain and secure absolute stability. All running parts are carefully balanced so that there is no vibration to cause unusual wear of parts.

The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

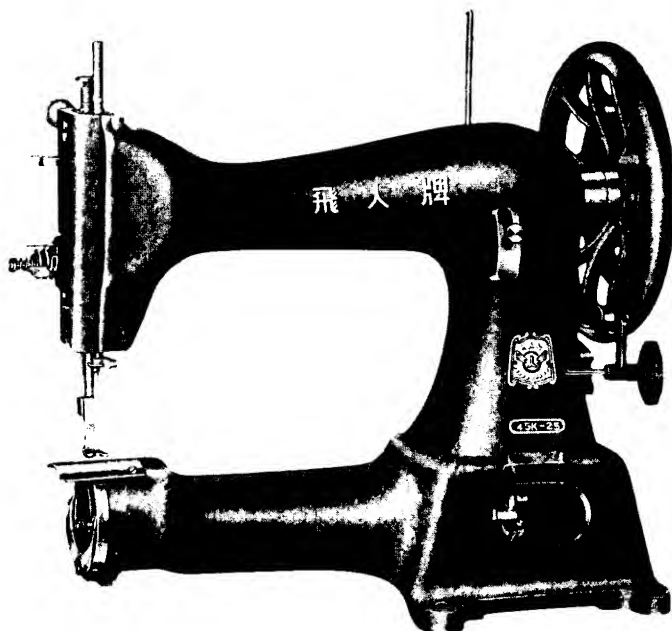
Length of stitch ... 4.5 mm.
 Maximum sewing speed ... 2200 stitches per minute
 Thickness of material sewn ... 5 mm.
 Working space under arm ... 265×145 mm.
 Power required ... 1/4 HP
 Stand ... Treadle or Power

Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|------------------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| 2 sets Head | 39 | 49 | $55 \times 45 \times 43$ |
| 2 sets Table and Stand | 70 | 86 | $101 \times 76 \times 33$ |

工業用縫紉機
CYLINDER ARM SEWING MACHINE

“FLYING MAN” MODEL 45 K 25



This machine is strongly built and specially designed for the manufacture of heavy canvas sacks, leather shoes and leather goods, etc. It makes a long, firm and tightly drawn lock-stitch.

The machine is fitted with a large cylinder shuttle of oscillating type, light running and easy to operate by treadle drive in which case it can be provided with a heavy balanced two-speed driving wheel to ensure great penetrating power and to permit change of the sewing speed to adapt it for various kinds of work. For use on power bench, the machine can be fitted with a knee press by which the presser foot can be raised while the operator's hands are engaged.

Length of stitch ... 7 mm.
 Sewing speed ... 350-1000 stitches per minute
 Thickness of material sewn ... Leather 10 mm.
 Working space under arm... 275×185 mm.
 Overall dimension (L×W×H)... 530×270×480 mm.
 Power required ... 1/2 HP.
 Stand ... Treadle or power

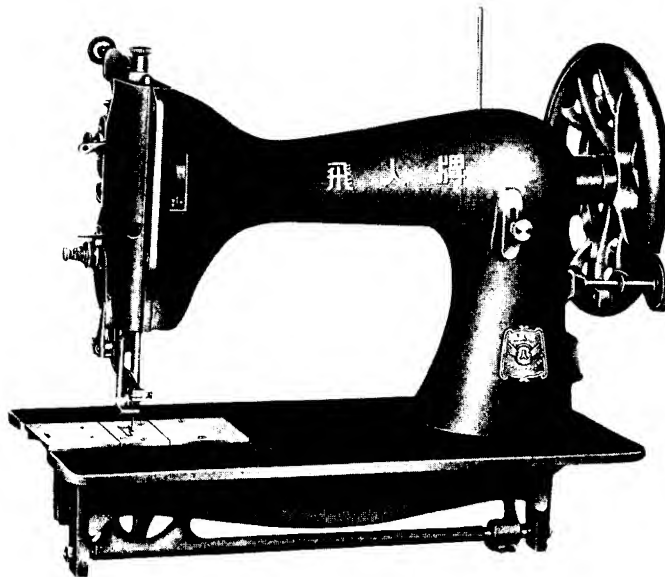
Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|-----------------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| 1 set Head | 35 | 52 | 67 × 39 × 62 |
| 1 set Table and Stand | 60 | 84 | 135 × 72 × 31 |
| 1 set Wheel | 10 | 20 | 44 × 37 × 40 |

工業用縫紉機

LOCKSTITCH SEWING MACHINE

“Flying Man” Model 45K50



Model 45K50 embodies the latest improvement in design. Its sturdy construction ensures durability and long serviceable life. All moving parts, made of high grade steel, are hardened and precision ground.

The machine is especially suitable for sewing heavy canvas or leather goods, as used in the manufacture of wagon covers, sails, heavy sacks, upholsteries, leather belts and other leather handicrafts.

It is fitted with an exceptionally large cylinder shuttle of the oscillating type having a bobbin of great thread capacity which feature makes the machine specially adaptable for mass production.

This model is in all respects same as Model 45K25 except that it is fitted with a vibrating presser. In this form of presser, the presser foot moves forward at each stitch in unison with the feed, rises and automatically returns to its former position, thus ensuring a uniform and perfect feed when stitching fabrics of uneven or adhesive surfaces. It is also particularly effective when stitching materials are liable to pucker such as book binding, etc. The machine sews with a long, firm and tightly drawn lockstitch.

Being light running, the machine can be easily operated by foot in which case it is supplied with a treadle drive stand and a two-speed drive wheel for regulating the sewing speed. For mass production, the machine can be supplied with an electric drive stand and a knee press by which the presser foot can be raised while the operator's hands are engaged.

Length of stitch ... 12 mm.
 Sewing speed ... 350—1000 stitches per minute
 Thickness of material sewn ... 12 mm.
 Working space under arm ... 275 × 185 mm.
 Power required ... $\frac{1}{2}$ HP

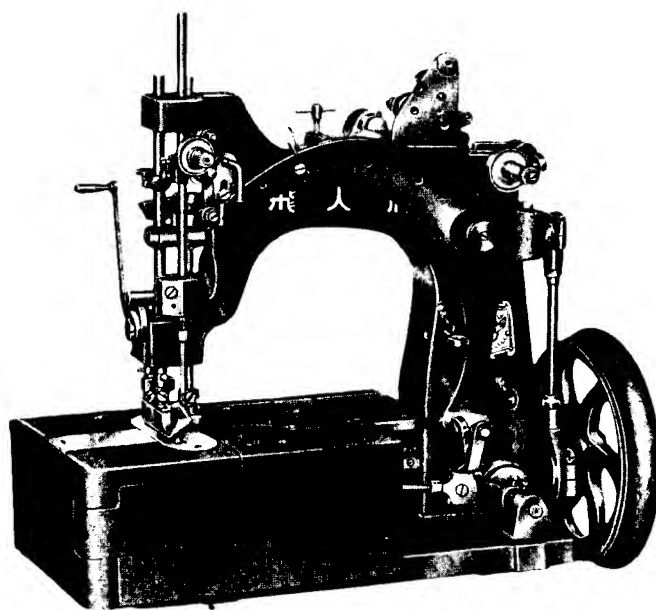
Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|-----------------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| Head | 40 | 62 | 70 × 36 × 58 |
| I set Table and Stand | 62 | 86 | 135 × 84 × 27 |

縫袋用縫紉機

BURLAP BAG SEWING MACHINE

“Flying Man” Model 124



This is the most powerful machine for making bags from burlaps and other heavy weight fabrics. It sews the bags either with single thread or two-thread chain stitch producing strong seams.

The machine is fitted with a positive drop feed and two separately hinged compensating presser feet, which ensure its successful operation on all grades of bag materials. This arrangement is particularly effective when hemming bags, as one of the presser feet rests upon the hem while the other rests on the body of the bag, each foot yielding independently according to the thickness of the work being sewn. A knee press for raising or lowering the presser feet is provided with each machine, enabling operator to use both hands in manipulating the work.

For convenience in threading the looper and to facilitate the making of adjustments, the front portion of the cloth plate is hinged so that it can be turned aside to permit easy access to the mechanism in the bed of the machine.

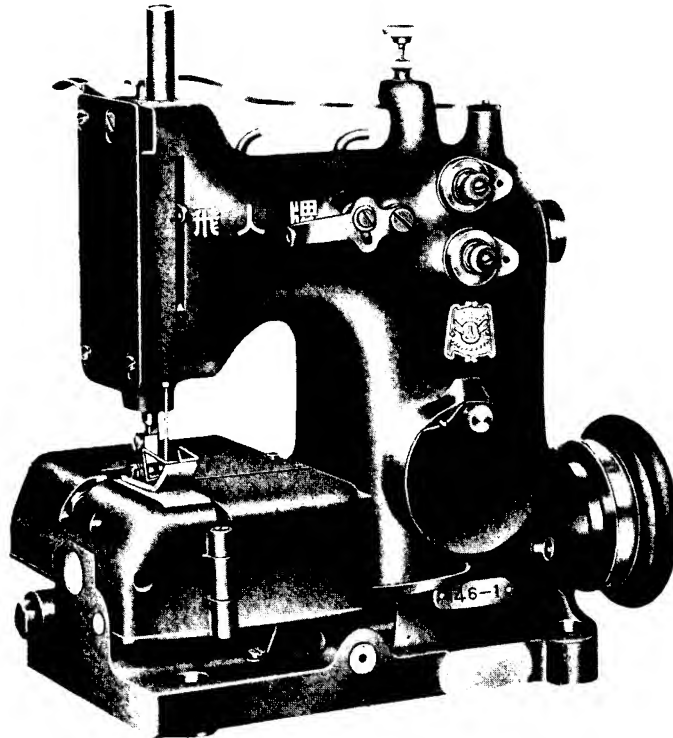
The machine is provided with an iron base which receives the dirt and surplus oil, thus helping to prevent the bags from becoming soiled while they are being sewn.

Length of stitch 12 mm.
 Maximum sewing speed: Paper bag 1000 stitches per minute
 Gunny bag 1400 stitches per minute
 Thickness of material sewn 15 mm.
 Working space under arm 180 × 130 mm.
 Overall dimension (L × W × H) 430 × 205 × 385 mm.
 Power required $\frac{1}{2}$ HP

Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|------------|--------------------------|------------------|--|
| | Nett | Gross | |
| 1 set Head | 28 $\frac{1}{4}$ | 40 $\frac{1}{4}$ | 48 × 25 $\frac{1}{2}$ × 43 $\frac{1}{2}$ |

縫袋用縫紉機
BAG CLOSING MACHINE
"FLYING MAN" MODEL 146-1



This Model is designed for closing filled bags containing sugar, flour, grain or other products which are usually packed in bags.

The machine makes two-thread chain stitch, so that strong and elastic seams can be produced to tightly close the bags, thus preventing commodities from leaking out at the seams despite rough handling in transportation.

The machine is equipped with an adjustable conveyor, upon the moving belt of which the filled bags are placed. The bags are thus carried to the operator who guides them through the machine for stitching.

Bags measuring from 20 cm. to 85 cm. from the bottom of the bag to the line of stitching, can be handled on the machine, the conveyor being raised or lowered by turning two handles at the back of the machine to accommodate the various sizes of the bags. As the conveyor belt is 30 cm. wide, bags up to 40 cm. in thickness can be sewn.

The conveyor is capable of carrying three 100-pound bags at the same time or the equivalent weight in as many bags as can be accommodated on the conveyor belt.

The sewing machine head being mounted on a hinged frame can be raised or lowered by a hand wheel, thus slight variation in the height of the bags of the same capacity can be taken care of without adjusting the conveyor.

The machine is equipped with a shear which can be used to cut the thread after each bag is stitched. The shear is operated by a hand lever.

Length of stitch 12 mm.
 Maximum sewing speed 1800 stitches per minute
 Working space under arm 85×70 mm.
 Overall dimension (L×W×H) of sewing head ... 300×360×260 mm.
 Thickness of material sewn 8 mm.
 Power required 1 HP
 Efficiency (approx.) 500 bags per working hour
 Overall dimension of machine with Conveyor
 (L×W×H) 1200×1200×2000 mm.

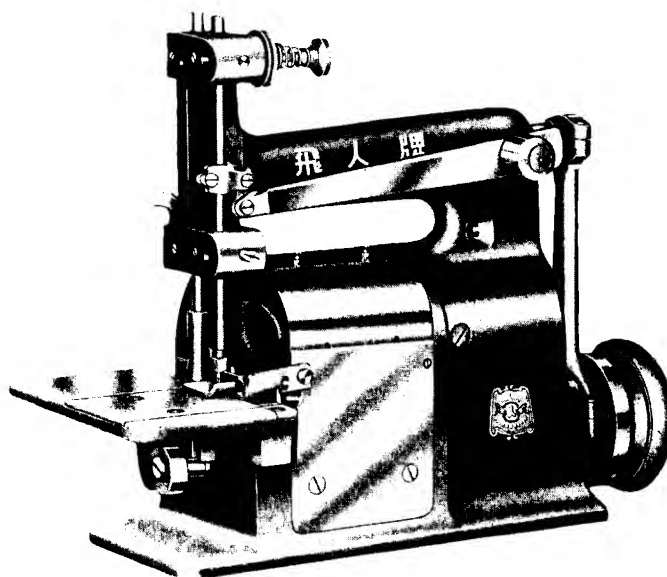
Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|-------------------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| 1 set Head | 19 | 25 | 44 × 32 × 46 |
| 1 set Head and Conveyor | 529 | 765 | 158 × 135 × 183 |

鎖邊縫紉機

OVERLOCK STITCH SEWING MACHINE

“Flying Man” Model 18



Model 18 is a single thread overlock sewing machine for seaming, overedging or hemming work on all kinds of materials. It is specially adaptable for overedging woolen blankets.

The constructional features are compactness, easy threading, accessibility to moving parts and improved lubricating system. The pitch of the stitches can be adjusted from 2 to 6 mm by changing the cam.

The length of stitches can be adjusted up to 12 mm so that thick blankets can be seamed as desired. The sewing speed can be as high as 1200 stitches per minute enabling trained operators to overedge woolen blankets of normal size at a rate of 30 pieces per hour.

| | | | | | | |
|---------------------------|-----|-----|-----|-----|-----|--------------------------|
| Length of stitch | ... | ... | ... | ... | ... | 12 mm. |
| Maximum sewing speed... | ... | ... | ... | ... | ... | 1200 stitches per minute |
| Maximum pitch of stitches | ... | ... | ... | ... | ... | 6 mm. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | 300×136×255 mm. |
| Power required | ... | ... | ... | ... | ... | 1/3 HP |

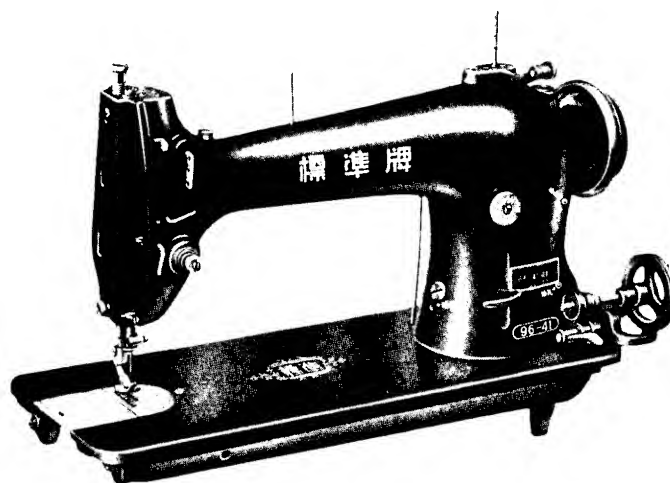
Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|----------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| Head | 12.5 | 20 | 35 × 18 × 29 |

電 動 襪 襟 機

LOCKSTITCH SEWING MACHINE

“Typical” Model 96-41



Model 96-41 is a single needle industrial machine for sewing with a straight lock-stitch. The shuttle is driven by gears and provided with a reversible feed.

When operating at the highest speed, the machine runs smoothly without appreciable vibration. All components are made of first grade materials, the moving parts being of heat treated steel. The machine is suitable for weaving mills or uniform factories, and for manufacture of shirts and underwears.

The machine can be supplied with either treadle drive stand or electric drive stand, in the latter case it is fitted with a knee press by which the presser foot can be raised when the operator's hands are engaged.

| | | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------|
| Length of stitch | ... | ... | ... | ... | ... | ... | ... | ... | 4 mm. |
| Maximum sewing speed | ... | ... | ... | ... | ... | ... | ... | ... | 2500 stitches per minute |
| Working space under arm | ... | ... | ... | ... | ... | ... | ... | ... | 265 × 165 mm. |
| Thickness of material sewn | ... | ... | ... | ... | ... | ... | ... | ... | 7 mm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | $\frac{1}{2}$ HP |

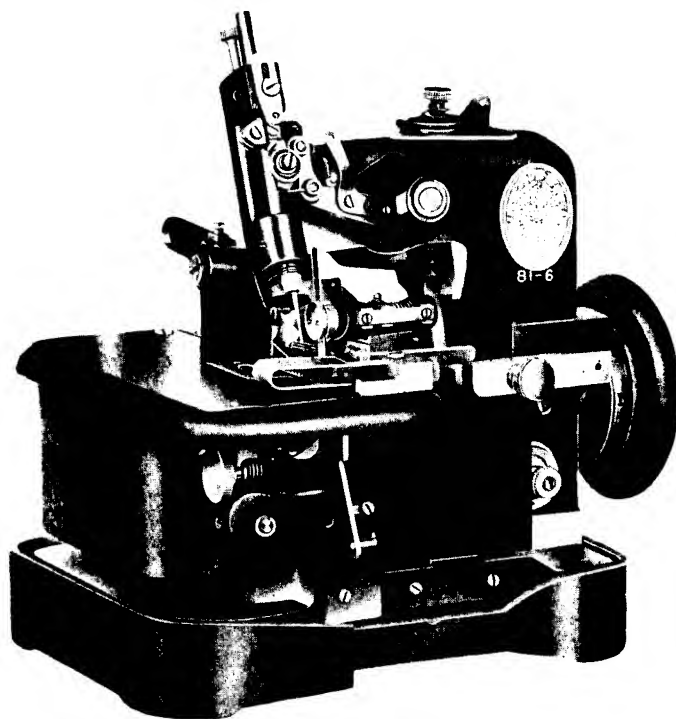
Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|---------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| Treadle Stand | 55 | 83 | 164 × 103 × 69 |
| Head | 23 | 33 | 62 × 28 × 46 |

電動包縫機

THREE-THREAD OVERLOCK SEWING MACHINE

"TYPICAL" MODEL 81-6



This machine is fitted with auxiliary feed and trimmer, and is specially made for sewing fabrics, hosiery or light materials. The machine produces elastic chain stitch and is also designed for TRIMMING, OVEREDGING and BLIND STITCH HEMMING or WELTING, these can be done in a single operation.

Apart from the foregoing, this machine has made possible, quality production, high-speed and low operating costs to a degree greater than ever before. It is easy to handle, simple to adjust, sturdy in design, accurate in workmanship and is readily adapted to many kinds of work.

Length of stitch 3.6 mm.
 Maximum sewing speed 3000 stitches per minute
 Sewing width 1.5—5 mm.
 Thickness of material sewn 5 mm.
 Needles System (81 × 1)
 Power required $\frac{1}{4}$ HP.

Packing Information

| Contents | Approximate Weight (kgs) | | Approximate Measurement (cm) |
|------------|--------------------------|-------|------------------------------|
| | Nett | Gross | |
| 1 set Head | 18 | 27 | 52 × 36 × 40 |

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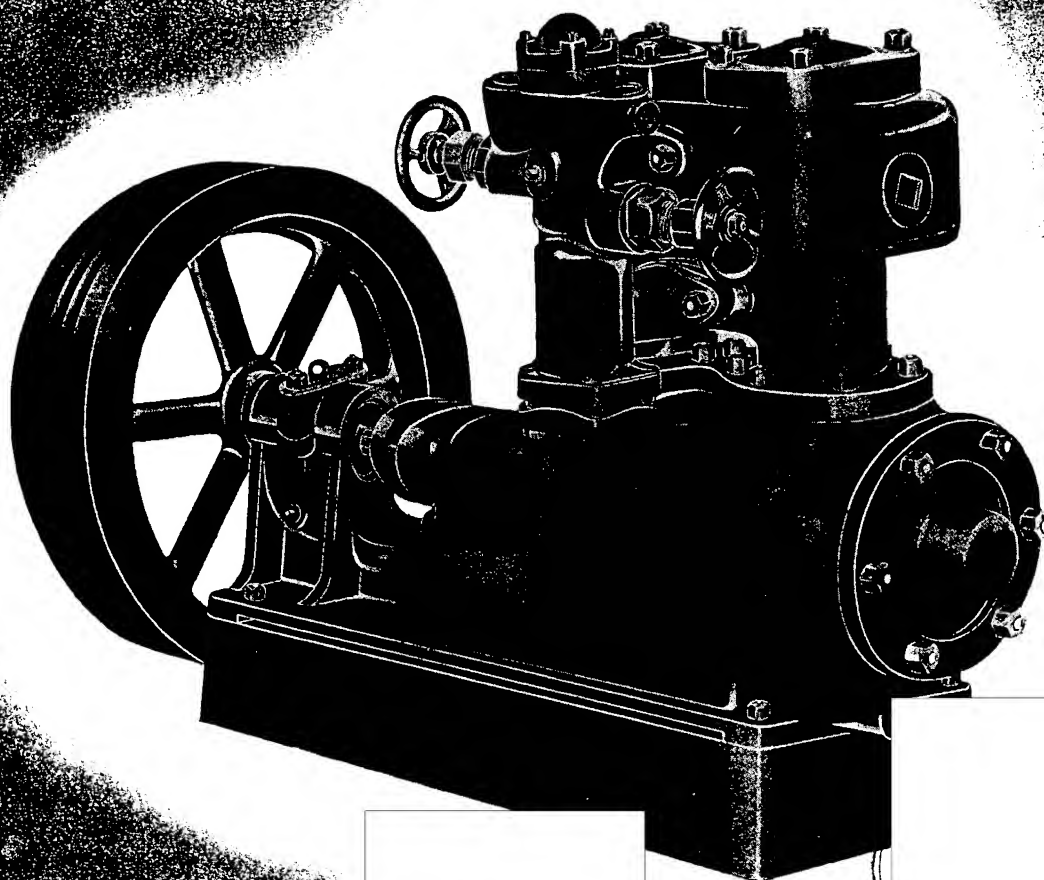
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25X1

氨壓縮機

Ammonia
COMPRESSOR



中國運輸進口

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH, PEKING

25X1

25X1

AMMONIA COMPRESSORS

MODEL 2 AV-76 & MODEL 2 AV-100

Model 2 AV-76 As Illustrated on Front Cover

Model 2 AV-100 Similar in Appearance

SPECIFICATIONS

| | Model 2 AV-76 | Model 2 AV-100 |
|-----------------------------|---------------------------|---------------------------|
| Type | Vertical 2 Cylinder | Vertical 2 Cylinder |
| Bore | 76 mm | 100 mm |
| Stroke | 76 mm | 100 mm |
| Rated Speed | 400 rpm | 400 rpm |
| Suction Pipe Connection ... | 20 mm ($\frac{3}{4}$ ") | 25 mm (1") |
| Discharge Pipe Connection | 15 mm ($\frac{1}{2}$ ") | 20 mm ($\frac{3}{4}$ ") |
| Power Required | 3.75 KW (5 HP) | 7.5 KW (10 HP) |
| Shipping Weight | 400 kgs. approx. | 570 kgs. approx. |
| Shipping Measurements ... | 100×70×75 cm approx. | 130×79×93 cm approx. |

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

| | |
|--------------------|---|
| Compressor Frame : | High Grade Cast Iron. Cylinder and Base with Crank Case cast in two separate pieces, to facilitate dismantling. |
| Crank Shaft | Forged Steel. |
| Connecting Rod : | Cast Steel, with renewable Bronze Wrist Pin Bushing and Crank Pin Bearing. |
| Piston : | Double Trunk Type, giving cross-head effect. |
| Suction Valves : | Poppet Type, located on top of Pistons. |
| Discharge Valves: | Plate Type, located in the Safety Head, providing protection against excessive pressure. |
| Lubrication : | Splash Type. |
| Valve Manifold : | Equipped with Suction & Discharge Shut-Off Valves, Safety By-Pass Valve & Suction Screen. Model 2AV—100 is additionally equipped with By-Pass & Pump-Out Valves. |

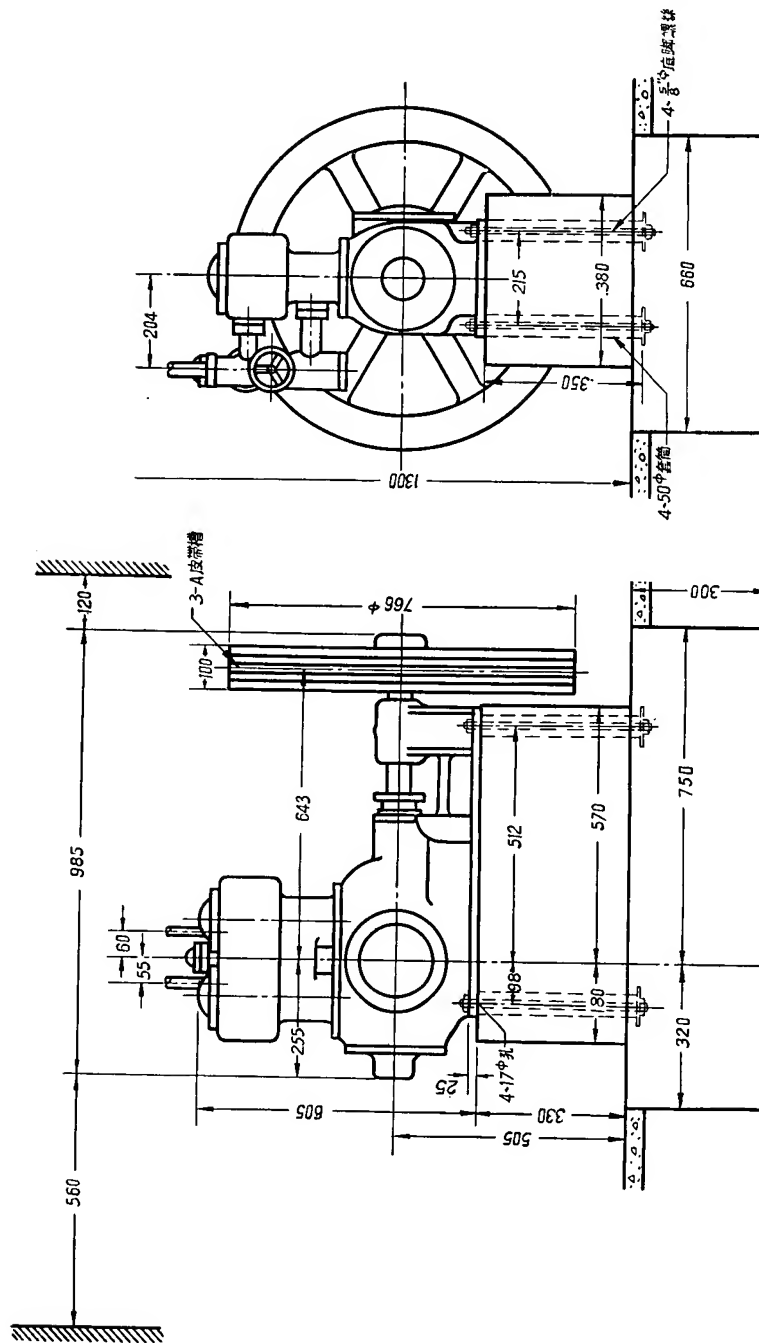
CAPACITY TABLE

| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Ammonia Condensing Temperature | 35°C | 35°C | 35°C | 35°C | 35°C |
| Ammonia Evaporating Temperature | —15°C | —10°C | —5°C | 0°C | +5°C |
| Capacity Kilo-Calories/Hour | | | | | |
| Model 2AV— 76 | 5900 | 7400 | 9100 | 11000 | 13500 |
| Model 2AV—100 | 13650 | 17100 | 21000 | 25600 | 31100 |

REFRIGERATING CAPACITY IN TONS may be estimated by the formula :

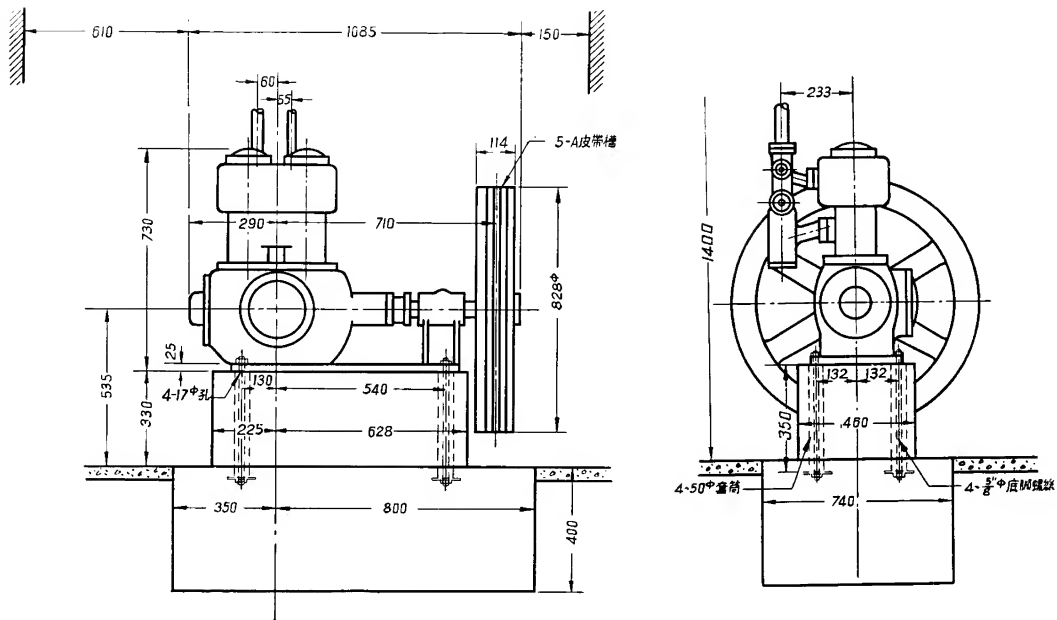
1 Ton Refrigerating Capacity=3000 KCal/Hr. approximately

PERFORMANCE CURVES will be supplied upon request.



GENERAL DIMENSIONS of Model 2 AV-76

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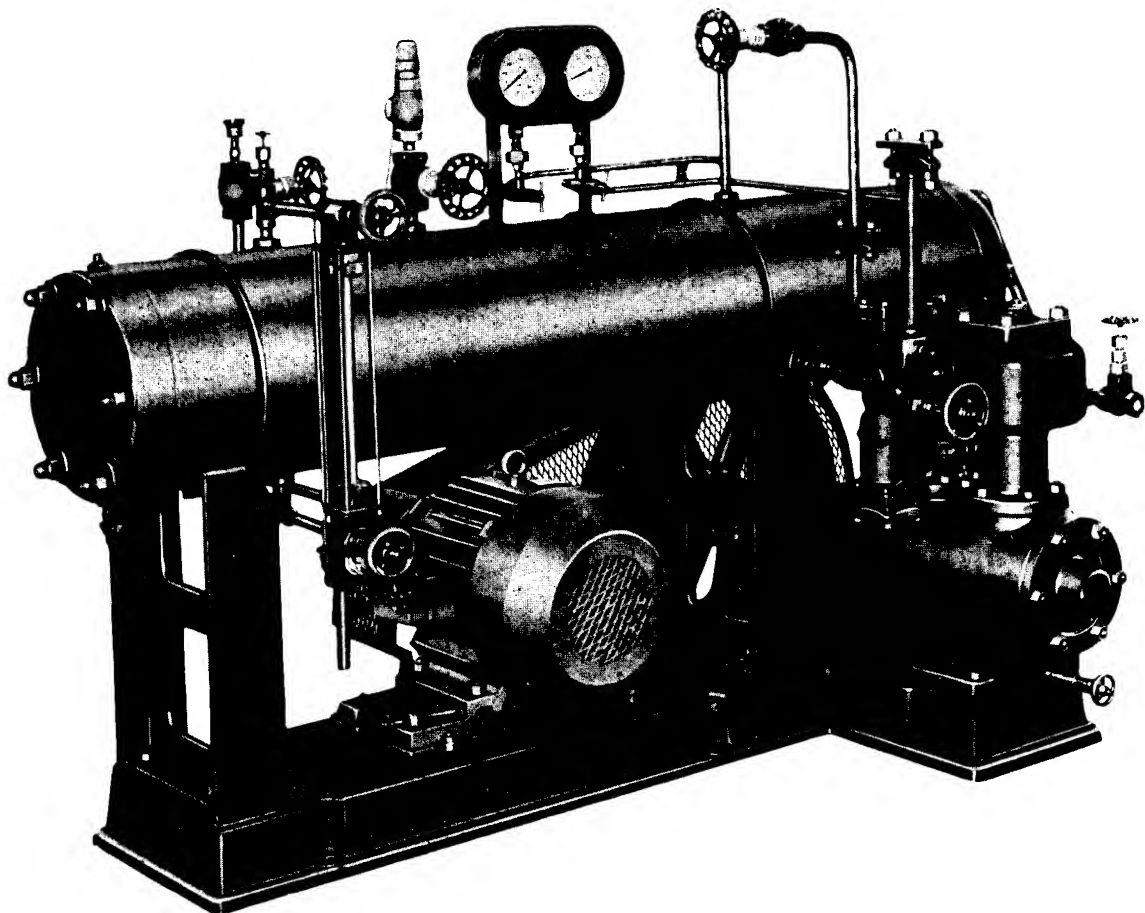


GENERAL DIMENSIONS of Model 2 AV-100

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MODEL 2 AV-76U AMMONIA SELF-CONTAINED REFRIGERATING MACHINE

Ammonia Compressor Model 2 AV-76 Supplied as
A Refrigerating Machine Unit



GENERAL DESCRIPTIONS

The Machine consists of Ammonia Compressor Model 2 AV-76, Condenser, Motor, V-Belt Drive & Belt Guard all on a rigid cast iron common base, convenient both for installation and operation.

It is also equipped with two Pressure Gauges and one set of Connecting Pipes & Fittings.

AMMONIA COMPRESSOR MODEL 2AV-76 : as illustrated and described in the preceeding pages of this catalog.

AMMONIA CONDENSER : Horizontal Shell & Tube Type, 330 mm outside diameter, 1959 mm length between two tube sheets with 24 steel tubes of 32 mm outside diameter, having a total condensing surface of 3.64 square meter, equipped with :

- Ammonia In-And-Out Stop Valves
- Liquid Level Indicator
- Safety Valve
- Oil Drain Valve
- Oil Purger

MOTOR : 3 Phase Induction Type, 3.75 KW (5 HP), 1450 rpm, 380 volt, 50 cycle, complete with Protecting Switch. Motor of other electrical characteristics may be supplied according to consumer's requirements.

SHIPPING WEIGHT AND MEASUREMENTS : (Approximate Figures)

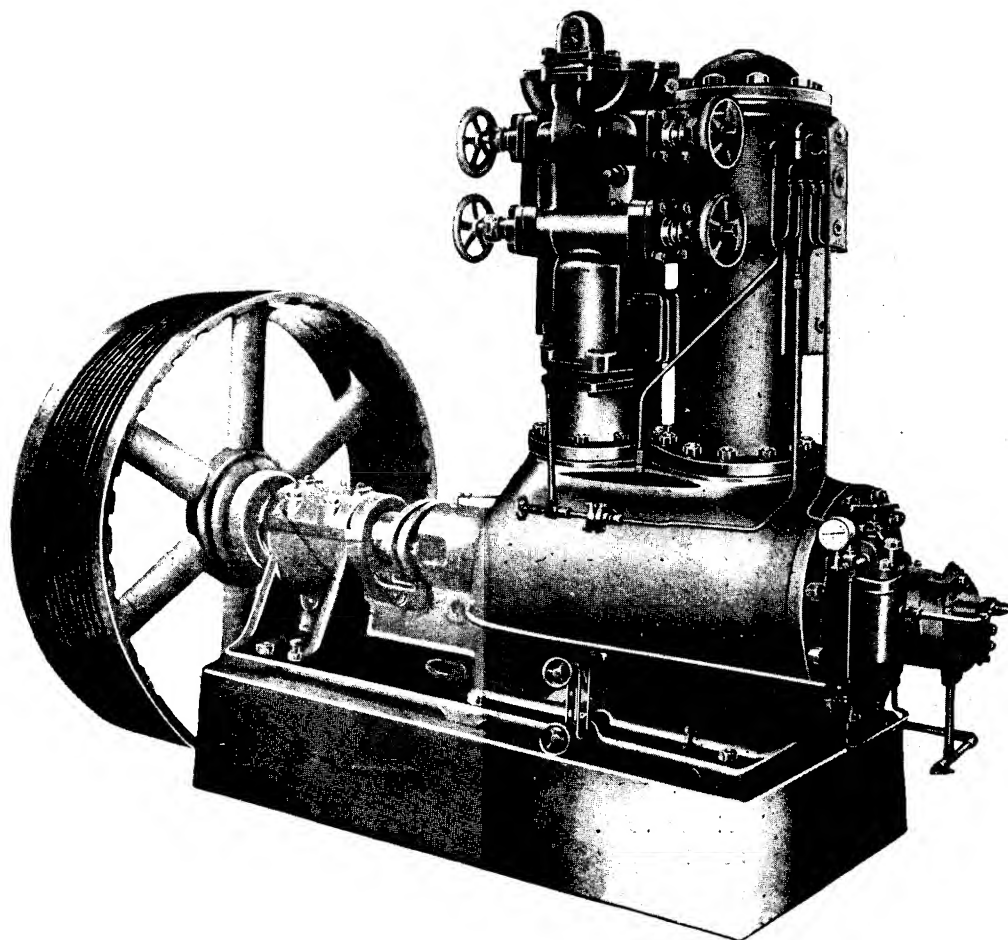
1200 Kgs. & 200×125×145 cm respectively

PARTICULARS

For Model 2 AV-100U Ammonia Self-Contained Refrigerating Machine
will be supplied upon request

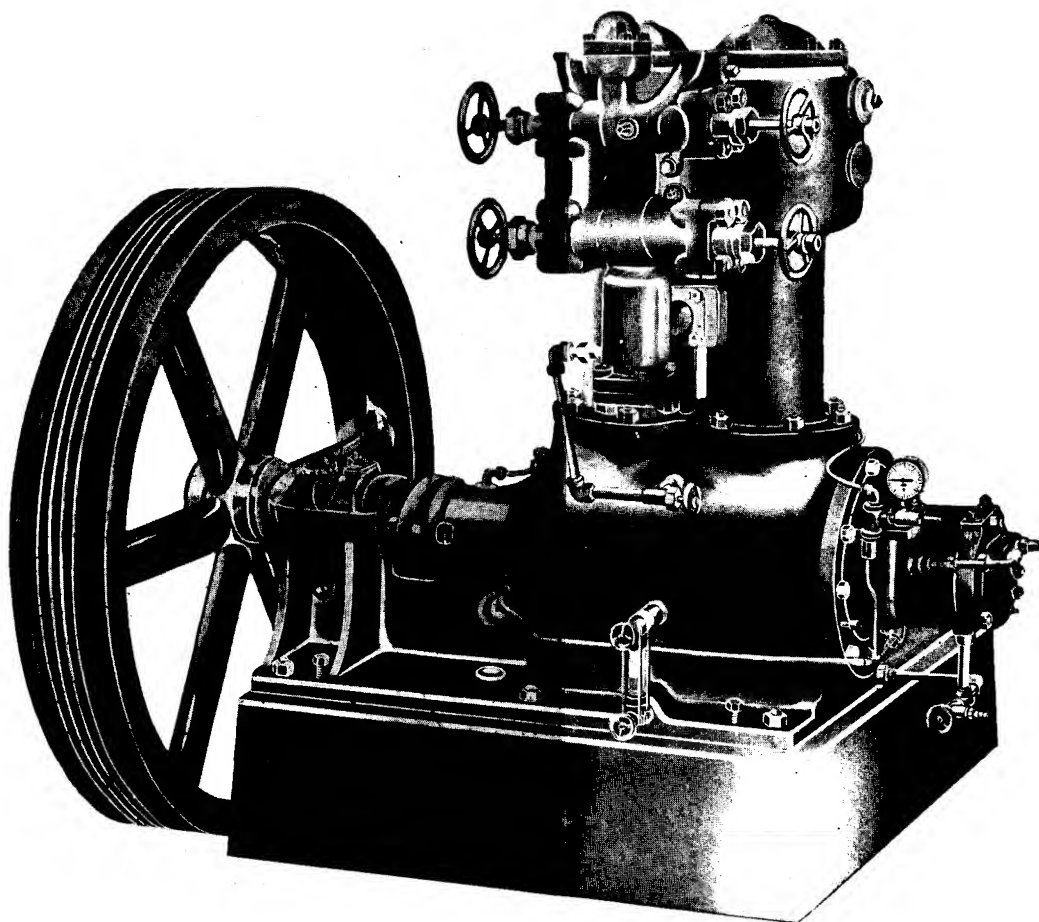
AMMONIA COMPRESSOR

MODEL 2 AV-230



AMMONIA COMPRESSOR

MODEL 2 AV-165



AMMONIA COMPRESSORS

MODEL 2 AV-165 & MODEL 2 AV-230

SPECIFICATIONS

| | Model 2 AV-165 | Model 2 AV-230 |
|-----------------------------|------------------------|------------------------|
| Type | Vertical 2 Cylinder | Vertical 2 Cylinder |
| Bore | 165 mm | 230 mm |
| Stroke | 165 mm | 230 mm |
| Rated Speed | 360 rpm | 300 rpm |
| Suction Pipe Connection ... | 50 mm (2") | 80 mm (3") |
| Discharge Pipe Connection | 40 mm (1½") | 50 mm (2") |
| Power Required | 30 KW (40 HP) | 60-75 KW (80-100 HP) |
| Shipping Weight | 1600 kgs. approx. | 3500 kgs. approx. |
| Shipping Measurements ... | 190×131×134 cm approx. | 250×135×195 cm approx. |

GENERAL DESCRIPTIONS AND CONSTRUCTIONAL FEATURES

| | |
|--------------------|---|
| Compressor Frame : | High Grade Cast Iron. Cylinder and Crank Case cast in two separate pieces, to facilitate dismantling. |
| Crank Shaft : | Forged Steel, drilled with oil passage for force feed lubrication to the main bearings, crank pin and wrist pin bearings. |
| Connecting Rod : | Cast Steel, with renewable bronze wrist pin bushing and crank pin bearing. |
| Piston : | Double Trunk type, giving Cross-head effect. |
| Suction Valves : | Multiple Poppet type, located on top of Pistons and fitted with cushion spring in cushion nut. |
| Discharge Valves : | Multiple Poppet type, located in the Safety Head which is designed to lift in case of any unusual pressure. Valves provide large area for low velocity gas flow. |
| Lubrication : | Force Feed Lubrication. Circulation by a Gear Pump at the end of crank shaft through cartridge type Oil Filter to cylinder walls and all bearings with the exception of outboard bearing which is oiled by two oiler rings carrying oil from the reservoir. |
| Valve Manifold : | Equipped with Suction & Discharge Shut-off Valves, By-pass & Pump Out Valves, Safety By-pass Valve & Suction Screen. |

CAPACITY TABLE

| | | | | | |
|---------------------------------|--------|--------|--------|--------|--------|
| Ammonia Condensing Temperature | 35°C | 35°C | 35°C | 35°C | 35°C |
| Ammonia Evaporating Temperature | —15°C | —10°C | —5°C | 0°C | +5°C |
| Capacity Kilo Calories/Hour | | | | | |
| Model 2AV-165 | 57000 | 71700 | 88000 | 106500 | 130500 |
| Model 2AV-230 | 137500 | 172000 | 213000 | 256000 | 312000 |

NOTE : For Model 2AV-230

Power Required for the 1st 3 ranges : 60 KW (80 HP)

Power Required for the last 2 ranges: 75 KW (100 HP)

REFRIGERATING CAPACITY IN TONS may be estimated by the formula :

1 Ton Refrigerating Capacity=3000 KCal/Hr. approximately

PERFORMANCE CURVES will be supplied upon request.

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AMMONIA COMPRESSORS

Fields of Application:

Cold Storage

Ice Factory

Ice Cream Plants

B a k e r i e s

D a i r i e s

Breweries & Beer Depots

Meat & Fish Markets

Slaughter Houses

Textile Mills

Oil Refining Works

Chemical Plants

Theatres, Auditoriums,

Hospitals, Hotels, Apartments

Office Buildings And So On

Further Technical Data

& other Information

will be supplied upon request

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LEIPZIGER STR. 112 W8 CABLE: CNIEC BERLIN

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| <i>SHANGHAI OFFICE:</i> | 27 Chung Shan Road EI <i>Cable Address:</i> TRANSMACH Shanghai |
| <i>CANTON OFFICE:</i> | 25 Tai Ping Road South <i>Cable Address:</i> TRANSMACH Canton |

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

鞋 釘 機

BLUE CUT TACK MAKING MACHINERY AND MANUFACTURING PROCESS

Manufacturing Process: Heating the steel bar to a temperature slightly above critical temperature, say around 900 deg. C, and then cooling in the furnace slowly —→ Removing oxide fragment mechanically by winding over a drum —→ Pickling by dipping the steel bar into dilute sulphuric acid solution, washing by water, redipping in lime water and then drying by baking so as to prevent further oxidation —→ Heading by pressing the lead of the steel bar to a smaller dia. enabling to pass through the drawing die —→ Drawing the bar through dies repeatedly to reduce the dia. to about 1.93 mm for $\frac{3}{4}$ " Tacks or 1.52 mm for $\frac{1}{2}$ " Tacks —→ Heading, pointing and cutting to complete the form of a Tack automatically by Tack Making Machine —→ Polishing by barrelling with wood dust —→ Heating the Tack in an iron furnace to a temperature around 300 deg.C and then cooling in air to make them blue in colour —→ Packing

Equipments: Necessary and sufficient for manufacturing 5 cwt. of $\frac{1}{2}$ " and 5 cwt. of $\frac{3}{4}$ " Blue Cut Tacks per day of 8 hours.

- (1) ONE Annealing Furnace fabricated with fire bricks.
- (2) ONE Winding Drum for surface cleaning driven by a 10 HP motor.
- (3) Pools and Baking Furnace for pickling.
- (4) TWO Headers for reducing the lead dia. coupled to the same motor driving Wire Drawing Machines.
- (5) THREE Wire Drawing Machines driven by 3 motors, 1 of 40 HP and 2 of 30 HP each.
- (6) FORTY TWO Tack Making Machines driven by 2 motors of 15 HP each.
- (7) THREE Barrels for polishing of Tacks driven by a 10 HP motor.
- (8) ONE Heating furnace driven by a 2 HP motor.

Production Data: The principal machine is Tack Making Machine. The production of this machine is most important. According to our experience, a single machine will produce about 48 lbs. Tacks of $\frac{3}{4}$ " or 24 lbs. Tacks of $\frac{1}{2}$ ". But for safety sake we suggest 42 Machines to satisfy your required production. The plant will be at a standstill for replacement of wearing parts or due to other reasons. The equipments are arrangeable to mesh the production of Tack Making Machine.

Labourer: Consulting with expert, about 38 labourers should be employed in the Plant including one engineer and one mechanic. Because the Tack Making Machine is automatic, a skillful labourer can operate 3 machines at same time and become more skillful after few months' training.

Ground Space: The Tack Making Machine has an overall dimension of about 4' x 4' x 3' and the whole plant will occupy a ground space about 2000 square meters.

25X1

25X1

單扳手及雙扳手噴花槍
SINGLE-TRIGGER AND DOUBLE-TRIGGER
SPRAYING GUN

This is a new and improved type of spraying guns of single finger and double finger trigger. The sprayed surface and the fineness of the mist is adjusted through the nozzle trigger and distance applied. It will operate on air pressure from 30 to 40 lbs. depending upon density of liquid to be sprayed.

It has a wide range of application, and may, therefore, be used for spraying varnish colors, enamel as well as various other kinds of fluids on metal, caskets, novelties, toys, and rubber shoes.

Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with a paint nozzle of 1.2 mm, other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

25X1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION
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CABLE ADD: TRANSMACH PEKING

25X1

大型馬達噴漆槍

TYPE No. 1 SPRAYING GUN

This is a new and improved type of spraying guns of high quality, It is good for spraying varnish to cover large surface. The gun can be adjusted by an adjusting wheel, for spraying round and flat form objects. Depending upon density of liquid to be sprayed, it will operate on air pressure from 70 to 80 lbs.

It has a wide range of application, and may, therefore, be used for spraying AUTOMOBILES, DECORATIVE WORKS, AND MACHINERY.

Its standard equipment is 20 lbs. aluminium jar. This gun is supplied with a paint nozzle of 1.85 mm.

The cleaning is easy. Don't disassemble the parts. BEWARE CASUAL LEAKAGE.

二 號 噴 花 槍

TYPE No. 2 SPRAYING GUN

The spraying gun of type No. 2 is finer than that of Single & Double Finger Trigger Spraying Gun. Size of spray is adjustable. It operates on air pressure from 30 to 40 lbs.

It is used extensively by poster artists, architects, and decorators by reason of its all-round properties for paint-spraying of large and small areas. Its standard equipment is a 4 oz. brass container.

Usually the gun is supplied with paint nozzle of 1.2 mm. Other sizes can be supplied upon request.

Caution:- The cleaning is easy. Don't clean it with metallic tools or wire. These parts have to be cleaned by dipping them into the gun cleaning liquid. If metal tools or wire are used for cleaning, these nozzles are bound to be DAMAGED.

25X1

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25X1

中國運輸機械進口公司

自動軟管灌裝封口機

FULL-AUTOMATIC TUBE FILLING, CLOSING AND SEALING MACHINE

This machine is completely automatic in tube filling, closing and sealing. It is designed to handle a wide variety of materials that can be packed in a tube such as tooth paste, rubber cement, ointments, artists' colours, etc., and is equipped with various devices to insure clean and uniformly filled tubes.

One operator only is required to place the empty tubes in position. The tubes are passed from the filling head to the folding jaws where closure is completed. An automatic ejector then removes the sealed tubes from the carrying cups and transfers them to the conveyor belt, of which height is adjustable. The closure made by this machine is quadruple fold to prevent possible leakage under ordinary room temperature.

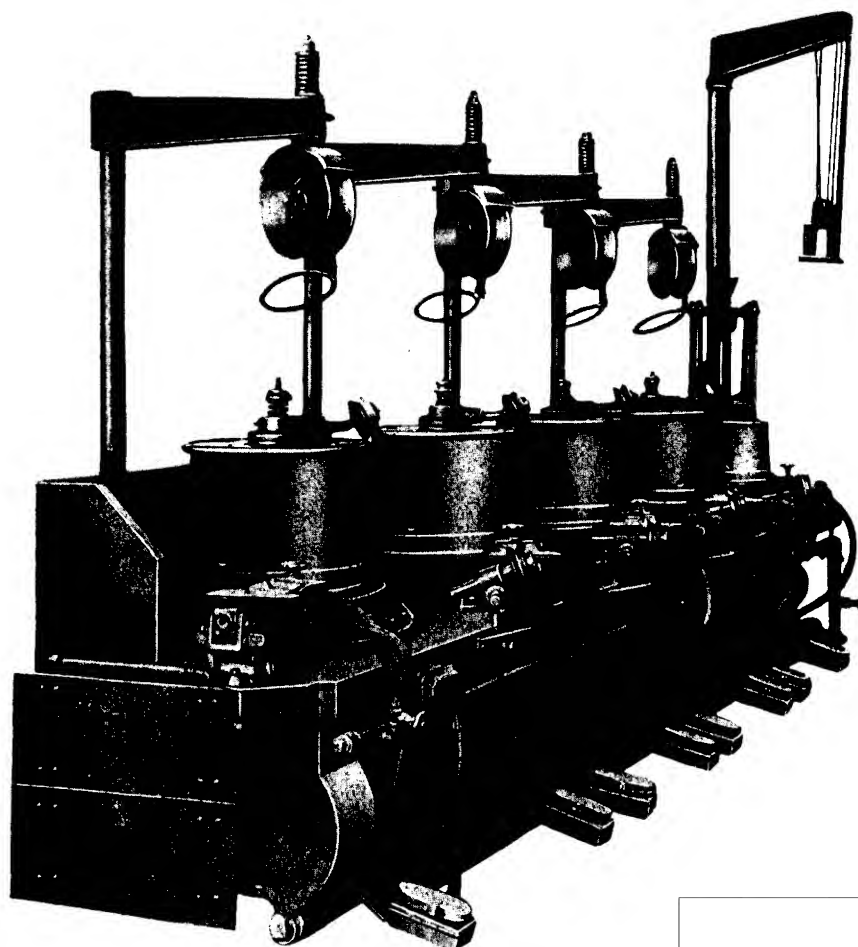
The rugged filling mechanism operates on the simple, positive, gear principle. Two gears, when revolving, draw the material down from the hopper and further expel it through nozzle into the tube. The "no tube—no fill" device functions as a sensitive control of the filling mechanism. When there is no tube in the filling position, there can be no discharge.

The motor is housed in the base and mounted on a hinged plate. V-belt and variable speed pulley are equipped. Speed can be easily changed by means of a hand-wheel to maintain maximum production under all operating conditions. Automatic magnetic remote control switch and push-button switch are provided for starting and stopping the machine.

| | | | | | |
|-------------------|-----|-----|-----|-----|------------------------------------|
| Machine dimension | ... | ... | ... | ... | 1850 × 1120 × 2440 mm. |
| Type | ... | ... | ... | ... | TPFM |
| Length of tube | ... | ... | ... | ... | 140 ± 25 mm. |
| Diameter of tube | ... | ... | ... | ... | 22 — 25 mm. |
| Motor | ... | ... | ... | ... | 1 HP., 920 rpm, 3-phase, 220/380V. |
| Machine weight | ... | ... | ... | ... | 1000 kgs. |

拔 絲 機

NON-SLIP CONTINUOUS WIRE DRAWING
MACHINE



25X1

中 國 運 輸 機 械 進 口 公 司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

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25X1

WIRE STAND:-

The wire stand is a simple mechanism for holding coiled wire in an inclined position at a convenient working distance for drawing.

OPERATION:-

Take the bottom lead from coil, pass it through pointing roll machine to make wire top slender so that the wire may go through dies of the first block. Grip the wire top by chain wrench and thrust the other end of chain into the block hole. Step on pedal to let the machine run. When the wire has wound around the block about 10 rounds, stop the motion and disconnect chain wrench. Next, the wire passes around the suspension roller, and is then drawn out and pressed again by pointing roll machine to make its end smaller so as to be able to enter the dies chamber of the second block. The same procedure is being repeated until the last block is reached. When wire has accumulated to a certain quantity on the last block, operate hand hoist to lift up the coil and shift it over to the swift stand. For model D5A, each drawing block, attached with pedal, is individually driven by motor; however, models D5B and D5C are by clutch transmission. The drawing speeds of different blocks, from slow to fast, each varies about 30%. To ensure high efficiency, perfect water cooling system is provided for blocks dies chambers. The dies chambers are further filled with soap flakes. During drawing, an electric butt welding machine will join the wire ends together.

SPECIAL FEATURES:-

1. Any required number of blocks up to 7 can be arranged as a simple unit.
2. Each unit is self-contained, every block is individually driven either by a motor or through main shaft and independent clutch.
3. Additional blocks can be added whenever desired.
4. Machine can be divided into sections, and any intermediate block can be easily converted into a finishing block.
5. All gears are enclosed, phosphorous bronze worm wheel and case hardened worm are being adopted for quiet running and durable service.
6. Die boxes are provided with vertical and horizontal adjustments; and blocks and dies with visual control of water cooling.
7. Range of speeds up to 1200 ft./min. is available with bigger motors.
8. Remote control can be incorporated if required.
9. The wire tension is easily controlled. These machines are capable of drawing high tension steel, mild steel, brass, bronze and aluminium (wires)
10. The machine is equipped with collapsible devices for quick release of wire and increased running efficiency.
11. Operation is very simple, even for semi-skilled operative.

| Model | Specification | Power required | Last block speed (rpm.) | Output with reference to wire gauge. BWG., kg./hr. | Drawing speed of finishing block | Approx weight including parts | Overall dimension excluding parts |
|-------|--|--|-------------------------|--|----------------------------------|-------------------------------|-----------------------------------|
| D5A | No. of blocks - 5 Dia. of blocks -16" Cir. of blocks -50.26" | 1st-4th blocks 5 HP. 5th block 6 HP. (380 V, 3-phase, 1440 rpm.) | 172 | #14-#18 114 #15-#19 87 #16-#20 63 | 219 m/min. (720.5 ft/min.) | Net. 7 m./t. | 6000 × 1000 × 1750 mm. |
| D5A | No. of blocks - 3 | 1st block 5 HP. 2nd block 5 HP. 3rd block 5 HP. (380 V, 3-phase, 1440 rpm.) | 129 | #14-#16 155 #15-#17 113 #16-#18 87 #17-#20 47 | 173 m/min. (540 ft/min.) | Net. 5 m./t. | 4000 × 1000 × 1700 mm. |
| D5B | No. of blocks - 4 Dia. of blocks -18" Cir. of blocks -56 5" Clutch transmitting power | 40 HP. (380 V, 3-phase, 960 rpm.) | 117 | # 8-#12 430 # 9-#13 335 #10-#14 235 #11-#15 206 #12-#16 158 #13-#17 116 | 167 m/min. (551 ft/min.) | Net. 8 m./t. | 6000 × 1500 × 1750 mm. |
| D5C | No. of blocks - 4 Dia. of blocks 22" Cir. of blocks -69" Clutch transmitting power | 60 HP. (380 V, 3-phase, 960 rpm.) | 76 | #3-#10 500 (#3-6.5 mm. wire rod) #4-#11 400 #5-#12 290 | 134 m/min. (440 ft/min.) | Net. 11 m./t. | 7000 × 1600 × 1850 mm. |

REMARKS:—The above quoted speeds are low range speeds, speeds up to 1000 ft. min. can be obtained with bigger motors.

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中國運輸機械進口公司

整圓輪胎翻制機

本机專供旧胎翻新之用，使用簡便，翻制時間迅速。在翻制前先將旧胎磨圓及磨毛將配合之橡膠黏复于胎上，置于模內硫化，即可整旧如新。

外模，上半模由架支持，固定不动，下半模与上半模之間，有鉸鏈接合，由空气筒启閉，另用蒸汽使兩半模加热进行硫化。

內模，配有各种尺寸及刻花之鋁模，任凭选訂，均可照价供应，模子式样共分五种，每种适用于某种規格范圍內之鋁模（見附表），每套机器备有鋁模一个，其尺寸須于定貨时选定。

硫化过程：在硫化时先將适合之汽袋置于胎內，后將下模用空气筒上升关闭，从側面使蒸汽进入上下模施以高度压力，促成硫化工作，关于所应用之汽袋，由客戶自备，制造此項汽袋之鋁模可按价供应。

翻制時間：每条輪胎需一小时半至二小时，附屬設備如鍋爐及空气压缩机等，均可按价供給。

| 型 号 | 輪胎尺寸 | 重 量 | | | 可以配合外模使用 |
|------|-----------|-----------|-----------|------------------|--|
| | | 淨 | 毛 | 裝箱尺寸 | |
| TR 1 | 650 × 16 | 公斤 749 | 公斤 882 | 86.5 × 99 × 1245 | 如需翻制 600 × 16 輪胎，只要另备 600 × 16 內模同样适用 |
| TR 2 | 750 × 20 | 933 | 1165 | 89 × 1245 × 1475 | 如 需 翻 制 650 × 20 700 × 20，只要另备內模亦可适用 |
| TR 3 | 1000 × 20 | 1716 | 1906 | 91 × 141 × 166 | 如 需 翻 制 825 × 20 900 × 20，只要另备內模亦可适用 |
| TR 4 | 1200 × 20 | 2400 | 2645 | 91.4 × 143 × 176 | 如 需 翻 制 1050 × 20， 1100 × 20只要另备內模亦可适用。 |
| TR 5 | 1200 × 22 | 2453 | 2821 | 91.4 × 147 × 180 | |

本机附件：汽压表一具，热度表一只，及应用扳头等工具

橡 膠 混 合 机

本机專煉生膠备硫化之用，將生膠与化学原料同时混合輥軋，重磨輥軋即成硫化原料，机架坚固，有齿輪轉动，轉速不同的冷硬鉄輥兩只，由蒸汽加热并有冷却裝置，其热度可随时調整，輥間距离，可用螺絲調整，輥上有銅襯套軸承，輥子裝有調整导板防止硫化質料溅出，本机由一电动机通过減速齿輪轉动并备有离合器。

輥筒尺寸：

直 徑：.....356公厘（14"）

長 度：.....914公厘（36"）

速 度：

主 軸：.....16/ 分

副 輥：.....12/ 分

主 軸：.....75/ 分

变速机比速：.....960: 75

需用馬力：.....40匹

外型尺寸：.....3680 × 1640 × 1060公厘

产 量：.....每小时30—40公斤

重 量：.....約4500公斤

AUTOMATIC STUCCO MIXER

自動式泥漿攪拌机



11/1/74
中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

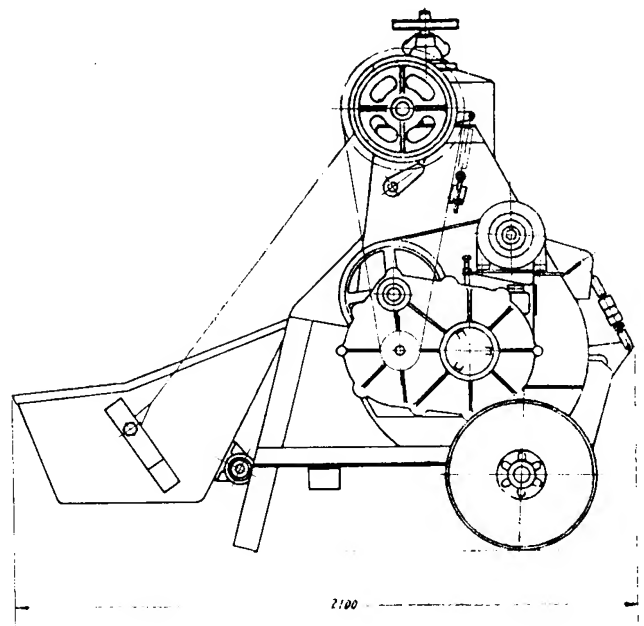
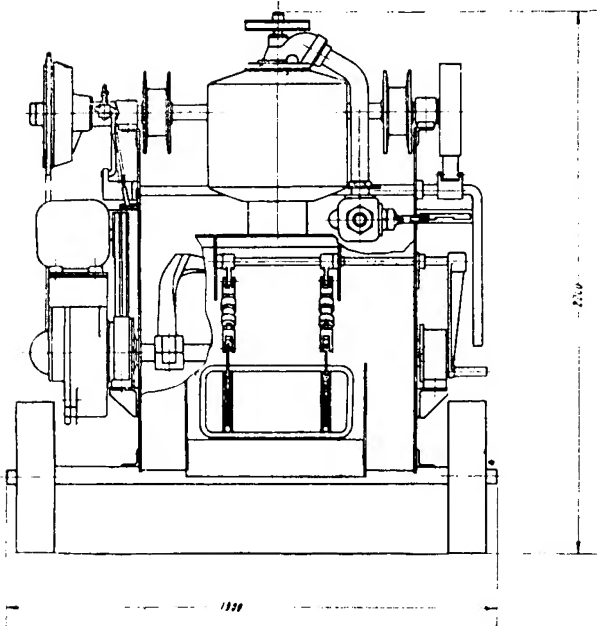
This mixer is of the latest design. It prepares stucco of cement, sand, lime and hemp and also that of clay, hemp, etc. It offers a smoother mix at such a low cost that it is impossible for the hand method to compete. The consistently high quality of stucco it produces combined with the savings in time, has justified itself as an indispensable machine for any large scale construction work.

The ratio of water to raw materials is a dominating factor in determining the quality of stucco. The water container of this machine is of the automatic self-measuring type with quantity of water controlled by an adjustable siphon pipe, which once set, every batch will receive a uniform amount of water.

The driving system is a combination of the 2.8 KW motor, V-belt, gears, sprocket wheels, etc. With mixing, elevating and lowering of the bucket actuated by motor, manual labour is reduced to a minimum.

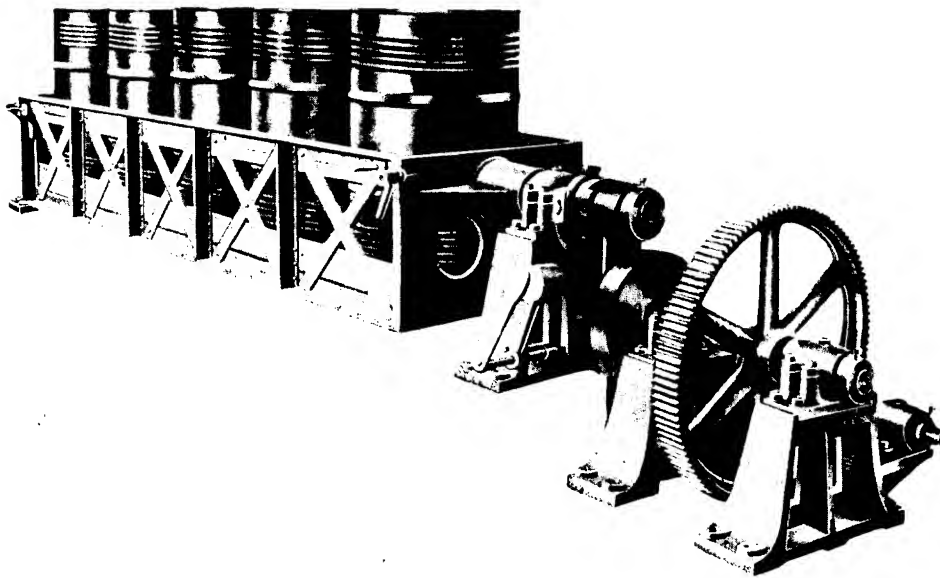
In short, the operator is not only given the privilege of a lively operation but also the assurance of a thorough mixing.

| | | | | | | | | | | | |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|
| Capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 200 to 325 litres. |
| Mixing blade speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 30 rpm. |
| Average mixing capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 26 cu. m./8 hrs. |
| Motor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2.8 KW. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2,100×1,900×2,200 mm. |



立 式 洗 桶 機

VERTICAL HOGSHEAD WASHER



中國運輸機械進口公司

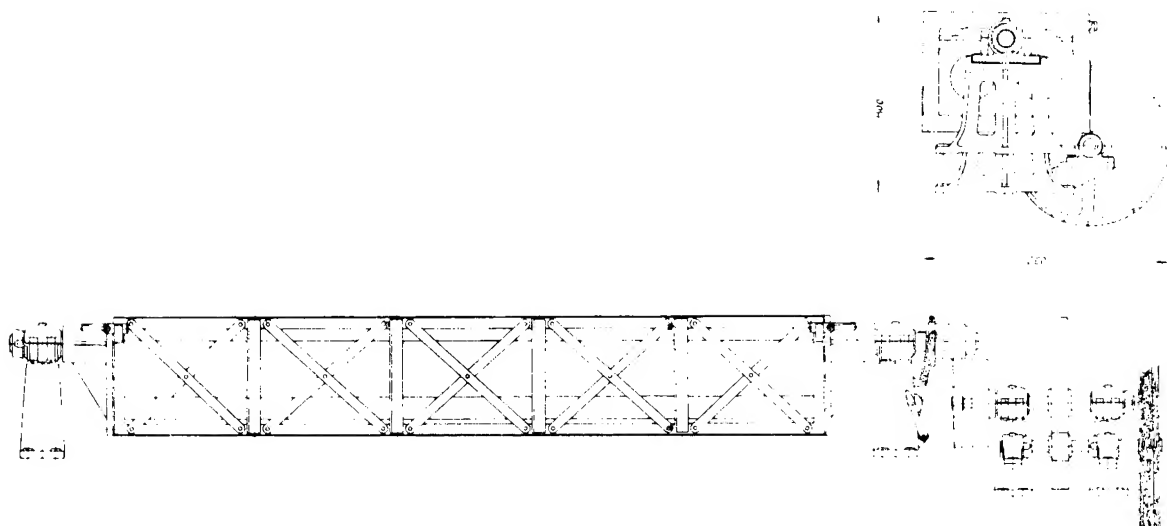
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

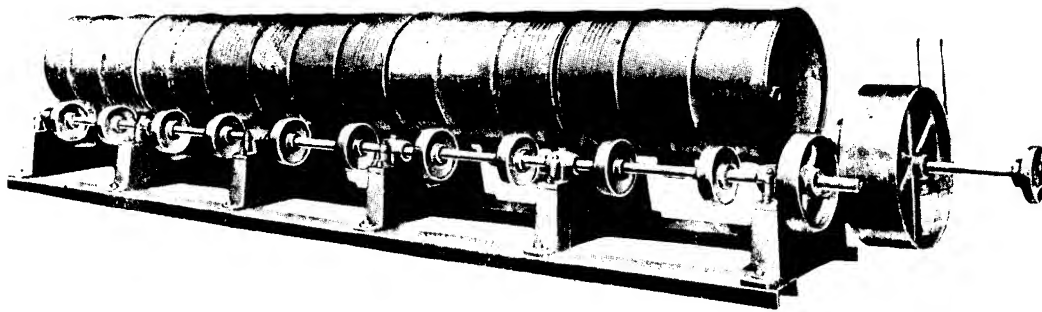
25X1

This machine is designed for washing hogsheads. It remarkably lightens physical labour and prevents the hogsheads from being damaged. In the hogshead stand timbers of 25 - 100 mm. are laid. While washing, two iron chains and one kilogram of caustic soda solution are to be used for every hogshead.

| | | | |
|--|-----|-----|-------------------------|
| Treating capacity (washing bottom of hogshead) | ... | ... | 10 hogsheads 3 hrs. |
| V-belt pulley: Diameter | ... | ... | 62 mm. |
| Width | ... | ... | 79 mm. |
| V-belt: Number | ... | ... | 4 |
| Length | ... | ... | 120 in. A-type |
| Swing speed | ... | ... | 35 times min. |
| Main shaft speed | ... | ... | 35 rpm. |
| Number of hogshead washed | ... | ... | 5 pcs. each operation |
| Swing angle | ... | ... | ± 70 |
| Power required | ... | ... | 15 KW. |
| Overall dimension (L W H) | ... | ... | 5,104 - 1,200 - 800 mm. |
| Weight | ... | ... | Net 750 kgs. Approx. |



平 型 洗 桶 機
HORIZONTAL HOGSHEAD
WASHER

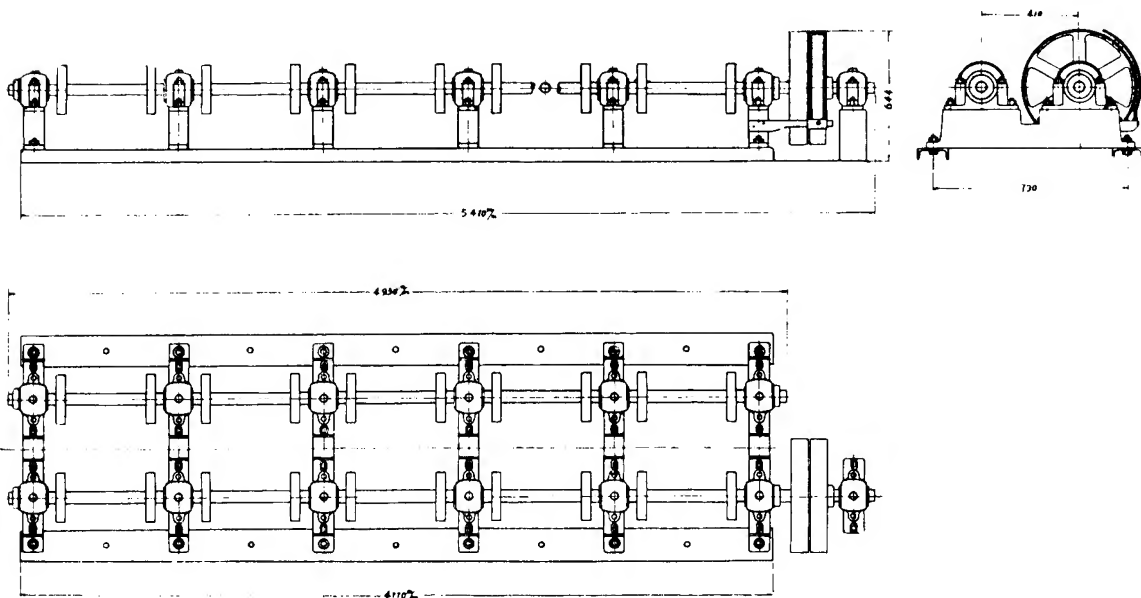


中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

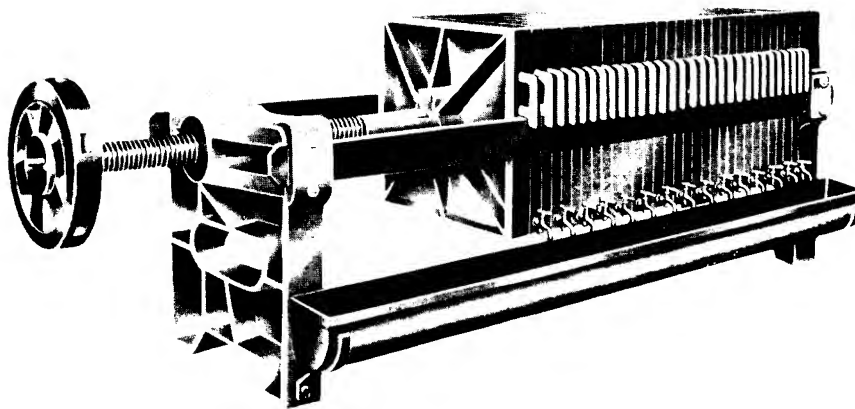
This machine simplifies labour in washing hogsheads. While washing, two iron chains (ϕ 12 \times 500 mm.) and one kilogram of caustic soda solution (30%) are to be used for every hogshead. The hogshead may be replaced while the machine is running.

| | |
|---|-------------------------------------|
| Treating capacity (washing inside round surface) | 5 hogsheads/hr. |
| Belt pulley: Diameter | 610 mm. |
| Width | 100 mm. |
| Main shaft: Diameter | 48 mm. |
| Speed | 80 rpm. |
| Roller: Diameter | 230 mm. |
| Width | 60 mm. |
| Distance between rollers | 400 mm. |
| Number of hogshead washed | 5 pcs. each operation |
| Rotation of hogshead | 31 rpm. |
| Power required | 2½ HP. |
| Overall dimension (L \times W \times H) | 5,410 \times 890 \times 644 mm. |
| Weight | Net 1,000 kgs. Approx. |



濾 油 機

FILTER PRESS



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

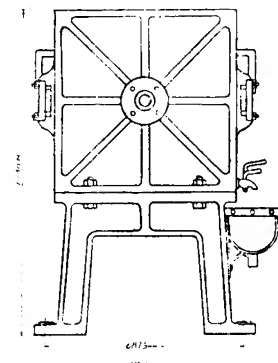
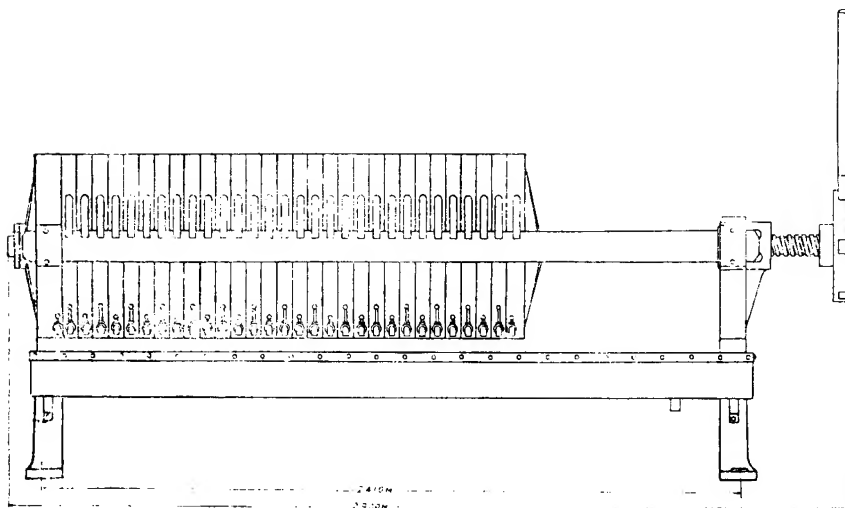
ER LI KOU, HSI CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

25X1

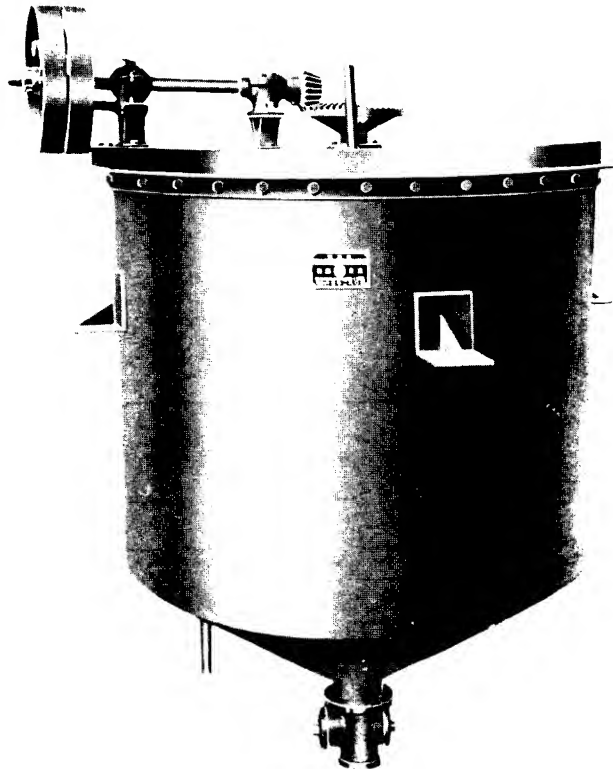
For the essential removal of meal, organic matters and other materials from crude oil of whatever origin and process of production, this filter press which permits lively operation with high filtering pressure is most suitable.

The skeleton construction of the press is the sturdiest of its kind, with plates and frames resting on heavy side bars and closed by means of a heavy screw shaft actuated by a hand wheel. A piece of 8×8 strand filtering canvas of 660×1475 mm and a piece of white cloth of the same size are required for every filter plate.

| | |
|--------------------------------------|-----------------------|
| Treating capacity (24 hours) | 6 — 7 tons. |
| Number of filter plates | 30 |
| Dimension of filter plate | 635×635×52 mm. |
| Side bars (left & right) | 106×26×2500 mm. |
| Screw shaft: Diameter | 67 mm. |
| Length | 925 mm. |
| Threads | 2/in. |
| Hand wheel: Diameter | 400 mm. |
| Width | 68 mm. |
| Number of slots on hand wheel | 6 |
| Size of slots | 38×51 mm. |
| Diameter of inlet pipe | 32 mm. |
| Chamber volume | 105 litres. |
| Overall dimension (L: W: H) | 2900×850×1130 mm. |
| Weight | Net 3000 kgs. Approx. |



清 油 罐
OIL PURIFIER



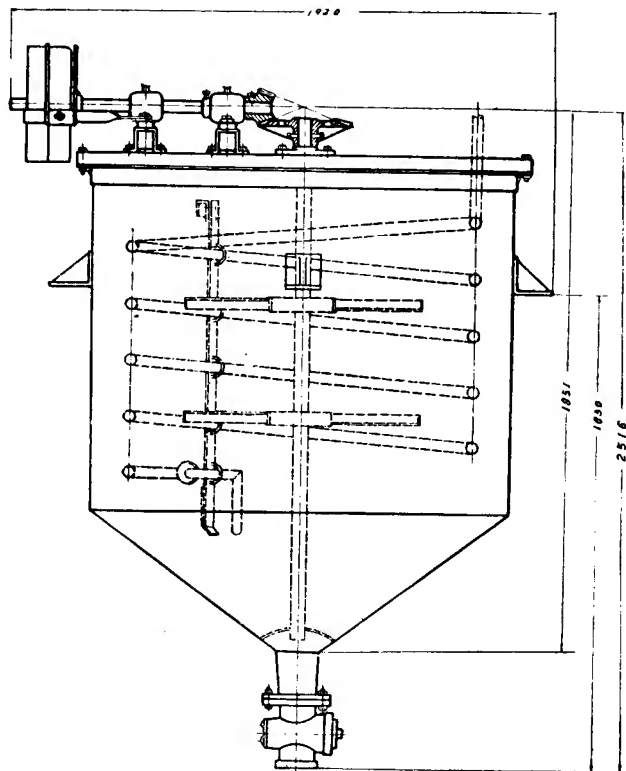
中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

25X1

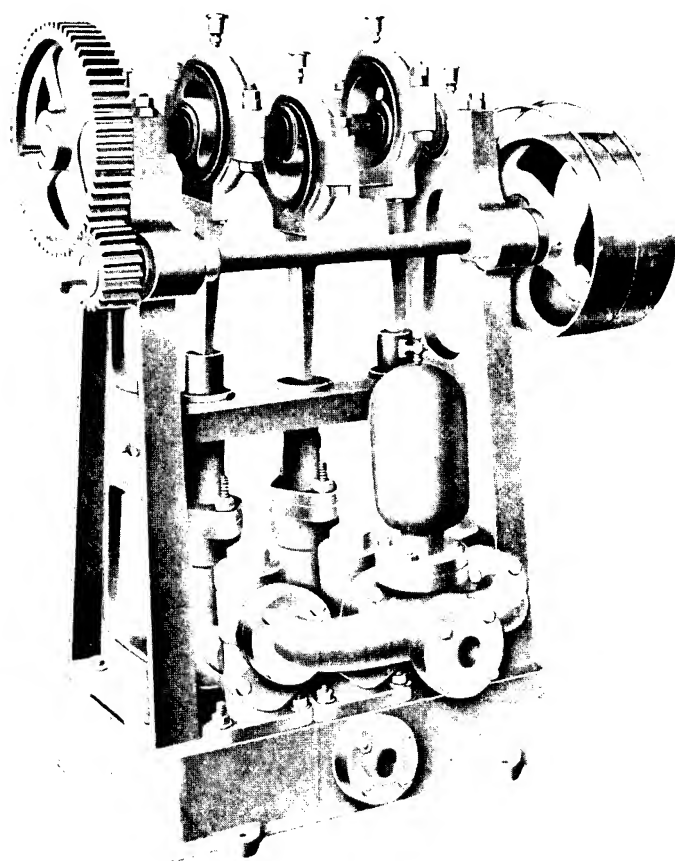
The oil purifier is the indispensable equipment in oil mills for purifying cotton seed oil.
All the sediments in the oil will settle in six hours.

| | | | | | | | | | | |
|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|
| Treating Capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | 250 kgs. hr. |
| Tank: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1480 mm. |
| Height | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1951 mm. |
| Capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1500 kgs. |
| Stirrer shaft: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 50 mm. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 40 rpm. |
| Transmission ratio of bevel gears | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3:1. |
| Belt pulley: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 410 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 80 mm. |
| Diameter of coil pipe | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25.4 mm. |
| Number of coils | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 |
| Treating temperature | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60°C. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 H.P. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1920×1784×2516 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net 750 kgs. Approx. |



三 缸 油 泵

TRIPLE PLUNGER PUMP



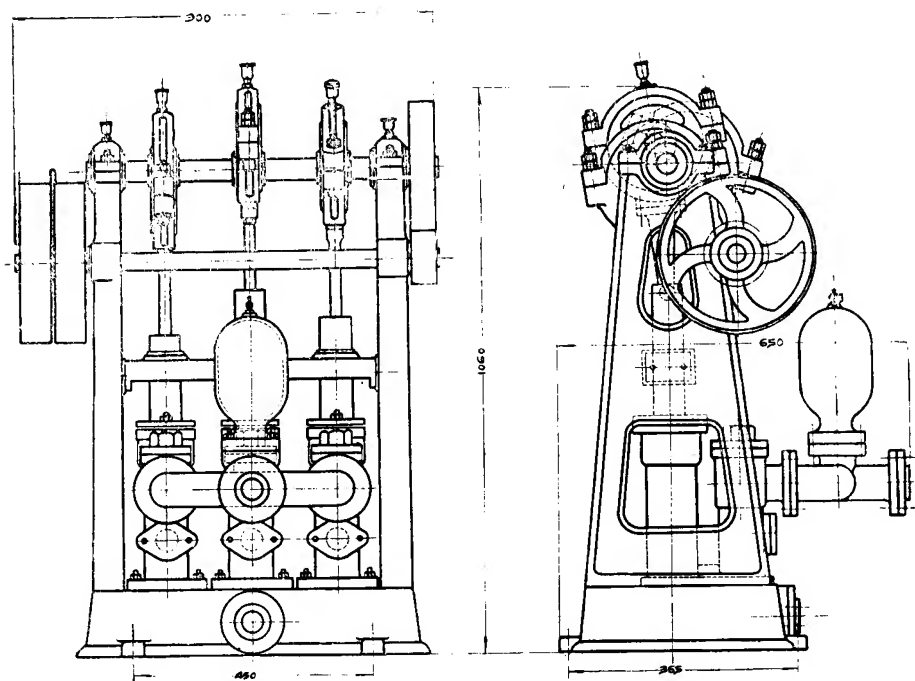
中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

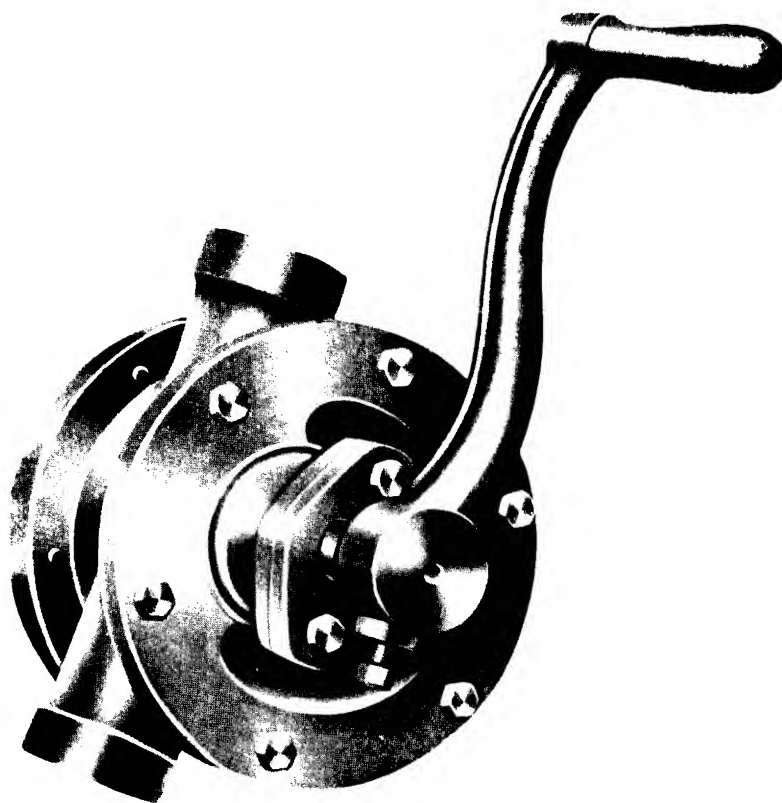
ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

This pump is designed for pumping oil into filter press and can also be used for other pumping purposes in oil mills.

| | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|
| Number of cylinders | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 |
| Diameter of cylinder | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60 mm. |
| Stroke... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 79 mm. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 75 rpm. |
| Diameter of belt pulley | ... | ... | ... | ... | ... | ... | ... | ... | ... | 300 mm. |
| Width of belt pulley | ... | ... | ... | ... | ... | ... | ... | ... | ... | 70 mm. |
| Diameter of suction pipe | ... | ... | ... | ... | ... | ... | ... | ... | ... | 32 mm. |
| Diameter of discharge pipe | ... | ... | ... | ... | ... | ... | ... | ... | ... | 32 mm. |
| Pressure head | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3.5 metre |
| Capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | 830 kgs. hr. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 H.P. |
| Overall dimension (L x W x H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 800 x 650 x 1060 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net 340 kgs. Approx. |



手 搖 泵
HAND PUMP



25X1

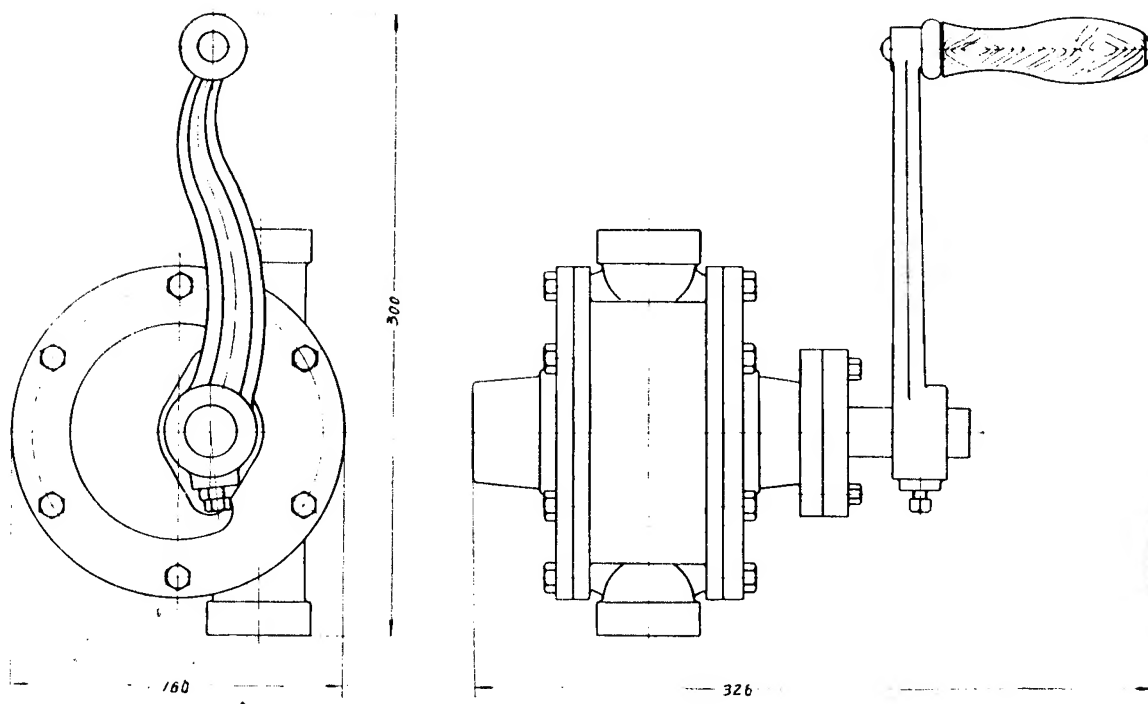
中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

FR. LI KOU HSI CHAO, PEKING, CHINA . CABLE ADD TRANSMACH PEKING

25X1

The hand pump is designed for delivering oil or other liquid in oil mills, oil and fat manufacturers etc. It is portable and easy in operation.

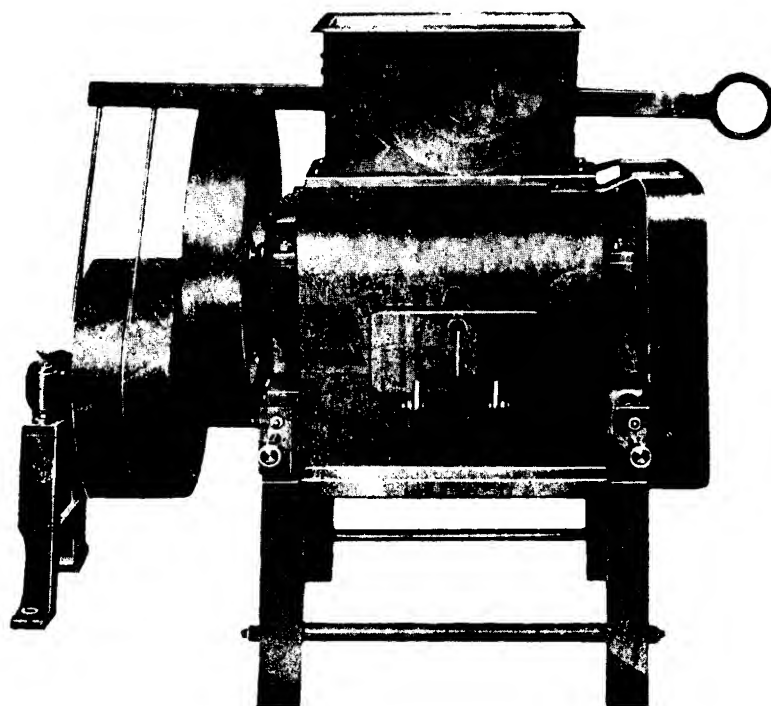
| | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|
| Suction pipe diameter | ... | ... | ... | ... | ... | ... | ... | ... | 25 mm. |
| Discharge pipe diameter | ... | ... | ... | ... | ... | ... | ... | ... | 25 mm. |
| Delivery capacity | ... | ... | ... | ... | ... | ... | ... | ... | 1 cu. m hr. |
| Pressure head | ... | ... | ... | ... | ... | ... | ... | ... | 3 m. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | 80 rpm. |
| Overall dimension (L x W x H) | ... | ... | ... | ... | ... | ... | ... | ... | 160 x 326 x 300 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | Net 50 kgs. Approx. |



碎 餅 機

CAKE CRUSHER

(No. 14)



中國運輸機械進口公司

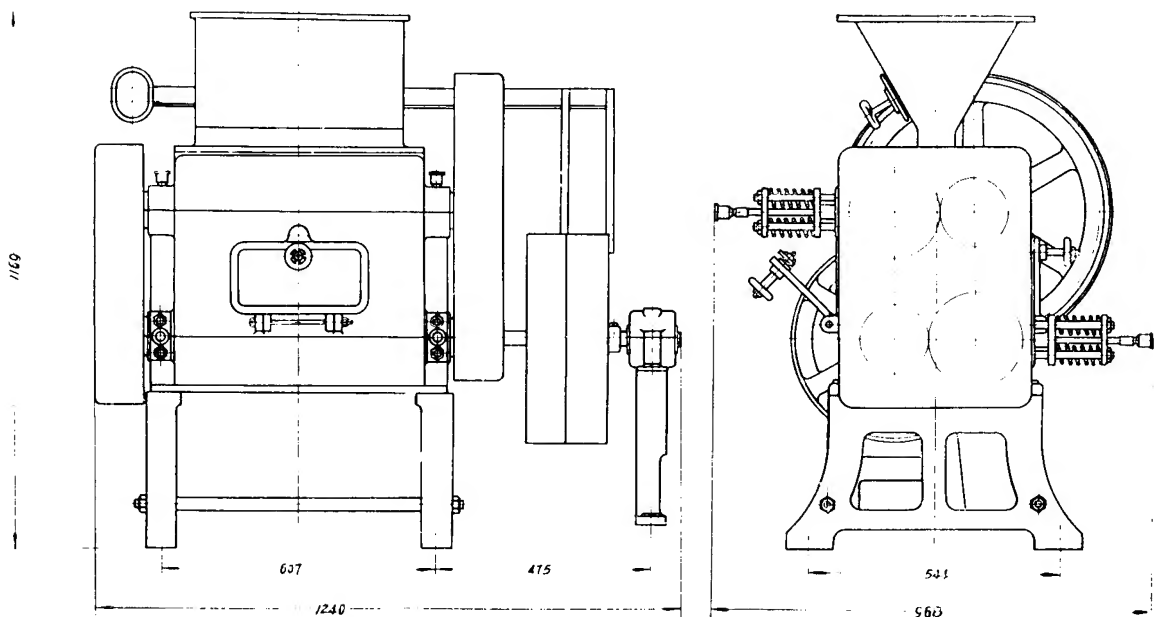
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU . HSI-CHAO . PEKING . CHINA • CABLE ADD: TRANSMACH PEKING

25X1

The purpose of this machine is to crush all kinds of oil cakes into small pieces to suit the use of consumers.

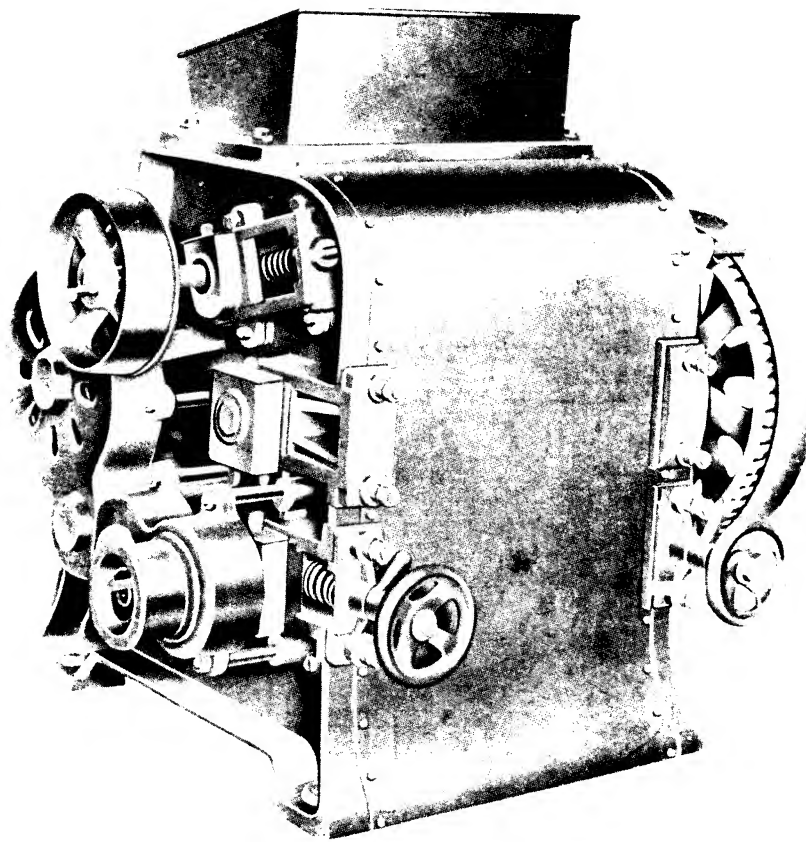
| | | | | | | | | | |
|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------|
| Treating Capacity | ... | ... | ... | ... | ... | ... | ... | ... | 1,500 kgs hr. |
| Number of teeth of coarse roller | ... | ... | ... | ... | ... | ... | ... | ... | 360 |
| Number of teeth of fine roller | ... | ... | ... | ... | ... | ... | ... | ... | 812 |
| Tooth profile | ... | ... | ... | ... | ... | ... | ... | ... | V-shaped. |
| Roller: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 187 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | 483 mm. |
| Main shaft: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 38 mm. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | 160 rpm. |
| Pulley: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | 457 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | 89 mm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | 5 HP. |
| Overall dimension (L · W · H) | ... | ... | ... | ... | ... | ... | ... | ... | 1,240 · 968 · 1,169 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | Net 750 kgs. Approx. |



碎 餅 機

CAKE CRUSHER

(No. 20)



中國運輸機械進口公司

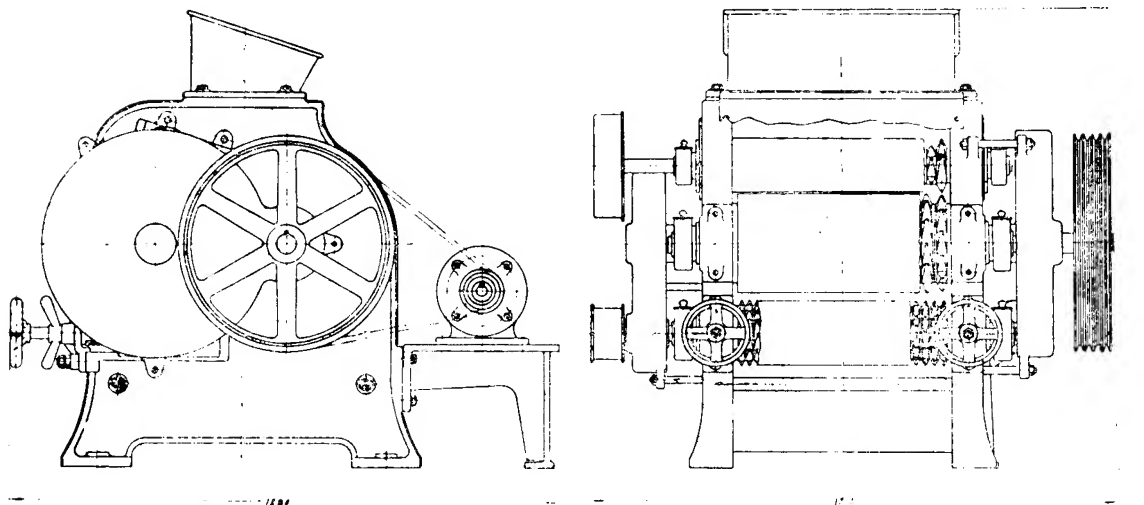
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER LI KOU, HSI CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

25X1

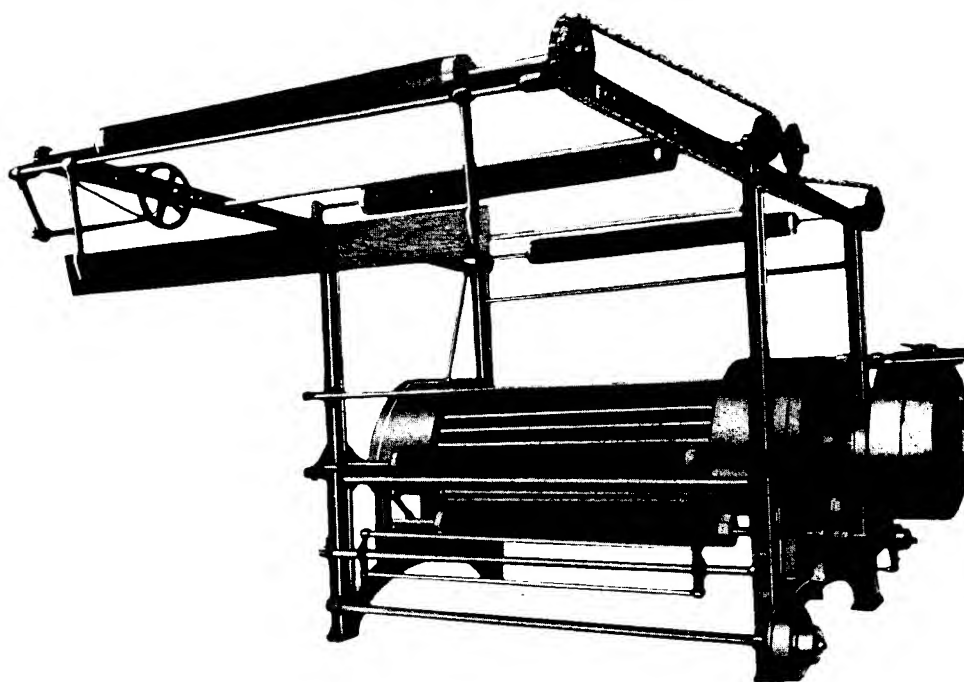
This machine can crush soya bean cakes and other cakes of square bar in about 10 mm size. It is adapted for mass crushing of oil cakes.

| | |
|---|------------------------|
| Treating capacity (crushing tile shaped cakes) | 915 kgs. hr. |
| Crushing disc: Diameter | 234 mm. |
| Thickness | 232 mm. |
| Number | 21 |
| Main shaft: Diameter | 46 mm. |
| Speed | 100 rpm. |
| V-belt pulley: Diameter | 508 mm. |
| Width | 72 mm. |
| Belt: Number | 4 |
| Length (A type) | 76 in. |
| Power required | 2½ HP. |
| Overall dimension (L×W×H) | 1,210×1,280×1,070 mm. |
| Weight | Net 1,000 kgs. Approx. |



拉毛機

20 ROLLER RAISING



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA CABLE ADD: TRANSMACH PEKING

拉 毛 機

20 ROLLER RAISING MACHINE

The machine is used for producing a fleecy nap on woolen or cotton hosiery fabrics. It is provided with felting rollers for bedding of the fleece of the fabrics.

The machine drive is effected through grooved pulley, a friction clutch being provided for starting and stopping the machine.

The cylinder of heavy construction is mounted on the main shaft which runs in bronze bearings. The twenty card rollers run in oiling bronze bearings and are driven through sun and planet motion by cow hide pinions and internal gear. Through roller chain and change gears the main shaft drives from its left side, the outside rim of the internal gear, thereby transmitting energy to the working rollers by altering the change gears, the raising energy can be changed.

The felting rollers are driven by the main shaft through flat belting, tapered cone pulleys with belt slipper by means of which the speed of the felting rollers can be regulated.

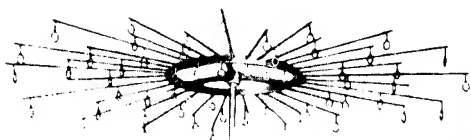
The feeding of the fabric is over tension rails and take off rollers. The delivery of the raised fabric is carried out by means of cloth carrying rollers, roller chain and shaft driven plaiting device which brings the finished fabric to the front of the machine.

The machine can raise simultaneously three widths of hosiery fabrics having a tubular width of 16" to 18". The production in 8-hour day is about 48 pieces of fabrics.

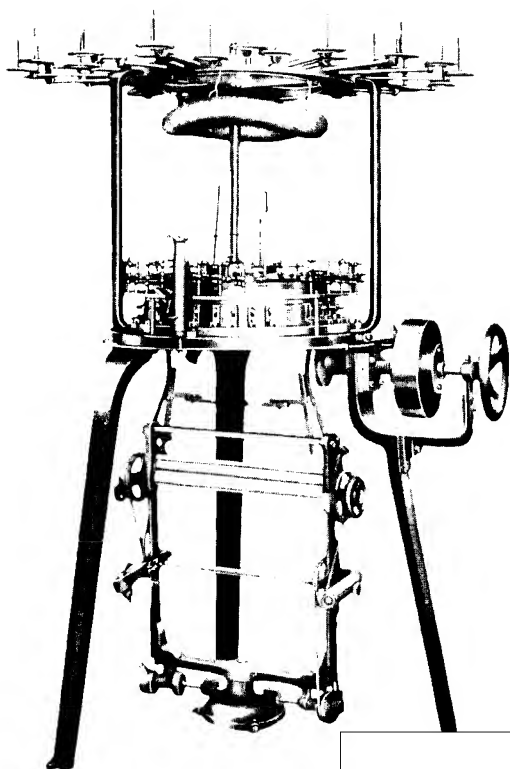
The machine is provided with card grinding machine and exhausting fan as standard equipments.

| | | | | | |
|------------------------------|-------|-----|-----|-----|---------------------|
| Width of Card Rollers | ... | ... | ... | ... | 64" |
| Power Required | ... | ... | ... | ... | 10 H.P. |
| Drive Pulley: grooved, pitch | | | | | |
| Diameter | ... | ... | ... | ... | 38 |
| Speed | ... | ... | ... | ... | 100 rpm |
| V-beltings Used | ... | ... | ... | ... | 6 pcs. B-168 |
| Installation Floor Space | ... | ... | ... | ... | 6'4"×7'8" |
| Working Space Required | ... | ... | ... | ... | 12'0"×18'0" |
| Weight: | Net | ... | ... | ... | 5,800 lbs. approx. |
| | Gross | ... | ... | ... | 6,900 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | 195 cu. ft. approx. |

BODY SIZE



汗布機



25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

汗 布 機

BODY SIZE UNDERWEAR KNITTING MACHINE

MODEL KM 117

This machine is a multiple-feed, circular, latch-needle knitting machine of non-sinker type, designed for production of plain fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce net fabrics.

The planned body size of the underwear comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — INCREASED PRODUCTION

- **Main Features:**

Tripod construction, positive clutch, brass cut cylinder, hardened needle cams, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.

- **Number of Feeds:**

The machine is available in different cylinder diameters with corresponding numbers of feeds as follows:—

13" — 24 feeds; 14" — 26 feeds; 15" — 28 feeds; 16" — 30 feeds;
17" — 32 " 18" — 34 " 19" — 36 " 20" — 38 "

- **Cut:**

The cylinder can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For common plain fabrics, 19—20 needles per inch is recommended.

- **Speed:**

For 18" diameter machine, the cylinder speed is 22 revolutions per minute.

- **Power required:**

3/4 HP in case of individual drive.
3 HP for six machines in case of group drive.

- **Output:**

The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc.

Average:

When using 32s/l and 40s/l cotton yarns, 320—480 oz. in 8 hrs.

When using 16s/l and 20s/l cotton yarns, 480—640 oz. in 8 hrs.

- **Width of Fabric:**

The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machines as follows:

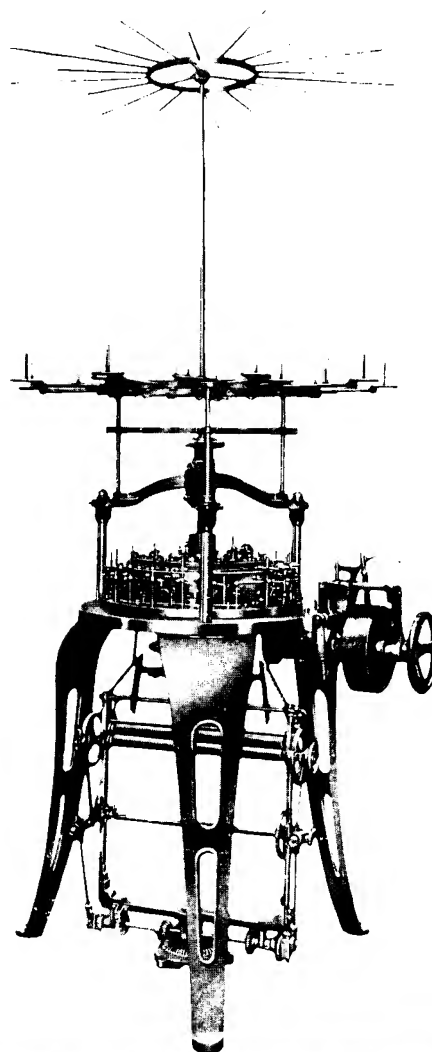
For Underwear:

| | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Diameter of Machine | ... | ... | ... | ... | ... | 16" | 17" | 18" | 19" | 20" |
| Underwear Size | ... | ... | ... | ... | ... | 32" | 34" | 36" | 38" | 40" |

DATA FOR 18" DIAMETER MACHINE:

| | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-------------------------|
| Installation Floor Space | ... | ... | ... | ... | ... | 3'8" × 4'4" |
| Working Space Required | ... | ... | ... | ... | ... | 5'6" × 6'6" |
| Weight | ... | ... | ... | ... | ... | Net: 720 lbs. approx. |
| | | | | | | Gross: 930 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | ... | 25.29 cu. ft. approx. |

棉毛機



Interlock

KNITTING
MACH

25X1

中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

25X1

ER LI KOU HSI CHAO PEKING CHINA • CABLE ADD TRANSMACH PEKING

棉 毛 機

INTERLOCK KNITTING MACHINE

MODEL KM 118

This machine is a multiple-feed, circular latch-needle interlock stitch knitting machine of non-sinker type, designed for producing interlock fabrics in either plain colours or a wide range of horizontal stripes. With modification of its parts, it can produce plush fabrics.

The planned body size comes right off the machine, eliminating the slitting and sewing of side seams.

Outstanding advantages of the machine are:

SIMPLE MAINTENANCE — ECONOMY IN SPACE

- *Main Features:*

Tripod construction, positive clutch, brass cut cylinder and dial, hardened needle cams for cylinder and dial, stationary bobbin stand, revolving take-up and cloth roll-up, fabric stop motion.

- *Number of Feeds:*

The machine is built in different cylinder diameters with corresponding number of feeds as follows:—

14" — 14 feeds; 15" — 16 feeds; 16" — 16 feeds; 17" — 18 feeds;
18" — 18 " 19" — 20 " 20" — 20 " 21" — 22 "

- *Cut:*

The cylinder and dial can be supplied in different cuts (number of needles per inch) to suit the size of cotton yarn handled. For example, when using 20s/1 cotton yarn, we recommend 17 needles per inch for fine quality fabrics and 13—14 needles per inch for second quality.

- *Speed:*

For 18" dia. machine, the cylinder speed is 18 revolutions per minute.

- *Power required:*

3/4 HP in case of individual drive.
3 HP for 6 machines in case of group drive.

- *Output:*

The output increases or decreases according to the skill of operator, gauge and diameter, count of yarn, etc. Average 280—440 oz, in 8 hours.

- *Width of Fabric:*

The width of fabric depends on the diameter of the machine, kind of material, count of yarn, etc. When using cotton of medium counts, we recommend diameter of machine as follows:

For Underwear:

| | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Diameter of Machine | ... | ... | ... | ... | ... | 17" | 18" | 19" | 20" | 21" |
| Underwear Size | ... | ... | ... | ... | ... | 32" | 34" | 36" | 38" | 40" |

For Slitting Trousers:

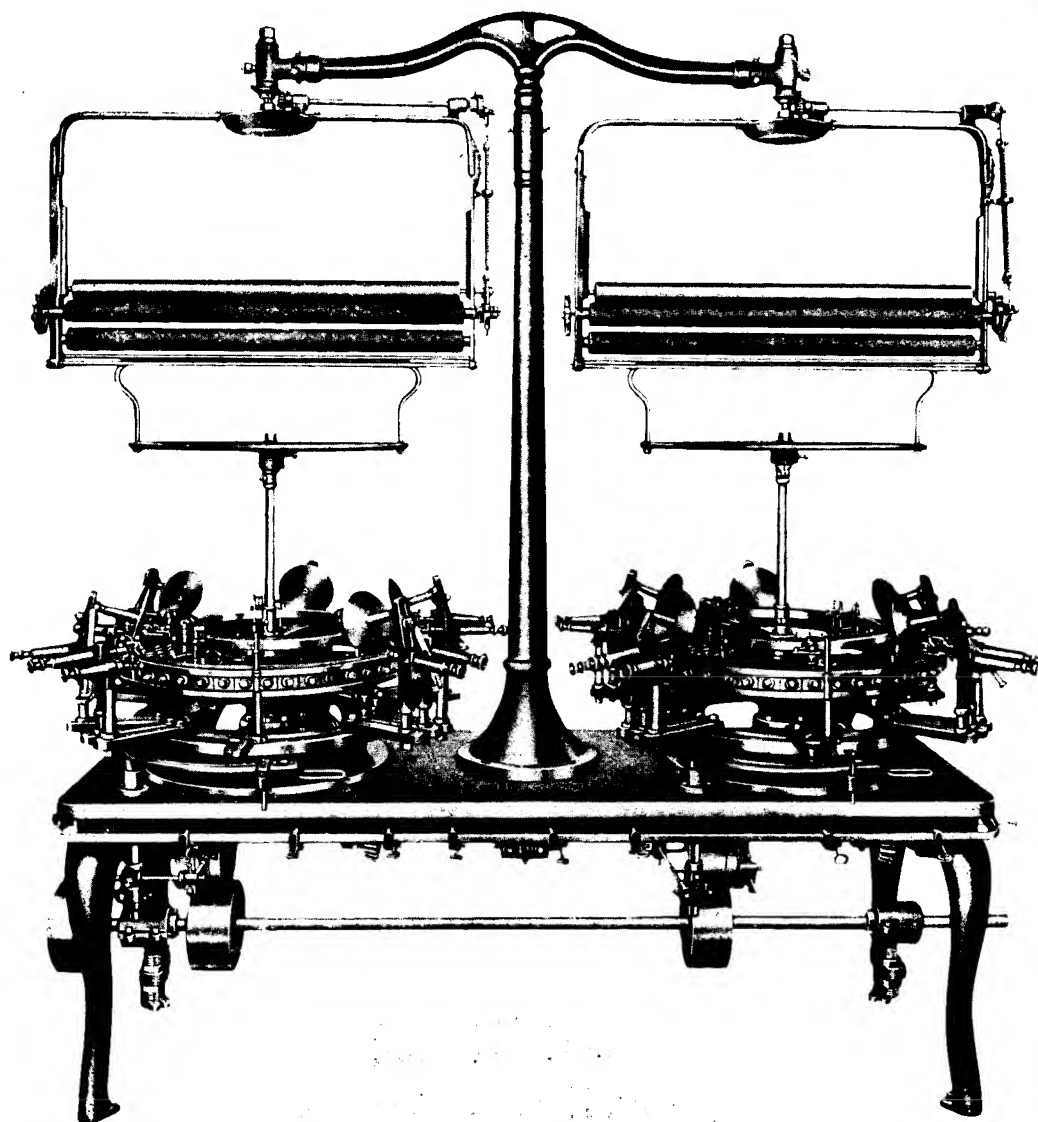
| | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Diameter of Machine | ... | ... | ... | ... | ... | 19" | 20" | 21" | 22" |
| Size of trousers | ... | ... | ... | ... | ... | 32" | 34" | 36" | 38" |

DATA FOR 18" DIAMETER MACHINE:

| | | | | | |
|--------------------------|-----|-----|-----|-----|---|
| Installation Floor Space | ... | ... | ... | ... | 3'8" × 4'4" |
| Working Space Required | ... | ... | ... | ... | 5'6" × 6'6" |
| Weight | ... | ... | ... | ... | Net: 712 lbs. approx. Gross: 1000 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | 23.41 cu. ft. approx. |

25X1

汗絨布二用織機



DOUBLE HEAD SPRING NE

25X1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT & EXPORT
IMPORTERS & EXPORTERS

25X1

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH, BEIJING

A 型 汗 絨 布 二 用 織 機

Double Head Spring Needle Knitting Machine

MODEL KM 116A

This machine is a multi-feed, circular spring needle knitting machine for plain fabric, cotton flannel (fleece lined fabric) and also woollen lay-in coating. Our long experience enables us to design the machine which is capable of producing goods of the highest quality.

The machine is equipped with automatic take-up and rolling-up of fabric. Take-up is suspended over the center of the cylinder and is constructed for variable production of fabric. Fabric stop motion is applied to each cylinder.

The machine can be arranged for individual or group drive. A positive clutch is provided on each cylinder to facilitate starting and stopping of the machine.

Model A machine is built with two cylinders of up to 22" diameter installed on the same table. Cylinders are available in diameters of 14", 15", 16", 17", 18", 19", 20", 21" and 22" respectively. According to the cylinder diameter and gauge of burs, 3 to 5 feeds are applied to each cylinder.

The gauge of the machine to be adopted depends upon the product. To change the gauge, all that is required aside from changing the needles, is a set of new knitting burs of the gauge desired. We recommend gauge of burs as follows:

| Product | Gauge of Burs | No. of Feeds each Cylinder | Cotton Yarn Used |
|----------------|----------------|----------------------------|---|
| Plain Fabric | 32, 34, 36, 40 | 4 or 5 | 32s x 1 to 100s/2 x 1 |
| Cotton Flannel | 20, 22, 24, 28 | 3 or 4 | 6s x 1 & 20s x 1 & 32s x 1 to 10s x 1 & 32s x 1 & 40s x 1 |

Each machine is supplied with either 6 feeds of burs for knitting cotton flannel or 10 feeds of burs for knitting plain fabric of one gauge to be specified against order. Burs for plain fabrics include one sinker bur, one cast-off bur, one lander bur and one clearing bur for each feed; burs for cotton flannel include two sinker burs, one cast-off bur, two lander burs, one clearing bur and one backing bur for each feed. Burs are complete with arms or brackets.

The machine is supplied with necessary needle pressers and bur holders. Needles, needle moulds and additional burs are to be supplied upon request at extra cost. The gauge of these accessories should be stated with the order.

The output increases or decreases according to the skill of operator, gauge and diameter, counts of yarn, etc., and the average is:

| | | | | | | | | |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------------|
| For plain fabric | ... | ... | ... | ... | ... | ... | ... | 31 to 44 lbs. in 8 hours, |
| For cotton flannel | ... | ... | ... | ... | ... | ... | ... | 124 to 150 lbs. in 8 hours. |

DATA OF MODEL A SPRING NEEDLE KNITTING MACHINE

| | | | | | | | | |
|------------------------|-----|-----|-----|-----|-----|-----|-----|--|
| Cylinder Diameter | ... | ... | ... | ... | ... | ... | ... | 14 to 22" |
| Working Space Required | ... | ... | ... | ... | ... | ... | ... | 4'0" x 8'0" |
| Cylinder Speed | ... | ... | ... | ... | ... | ... | ... | 60 to 80 rpm |
| Power Required | ... | ... | ... | ... | ... | ... | ... | 1.5 HP |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net: 2,240 lbs. approx. Gross: 2,950 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | 100 cu. ft. approx. |

B 型 汗 絨 布 二 用 織 機

Double Head Spring Needle Knitting Machine

MODEL KM 116B

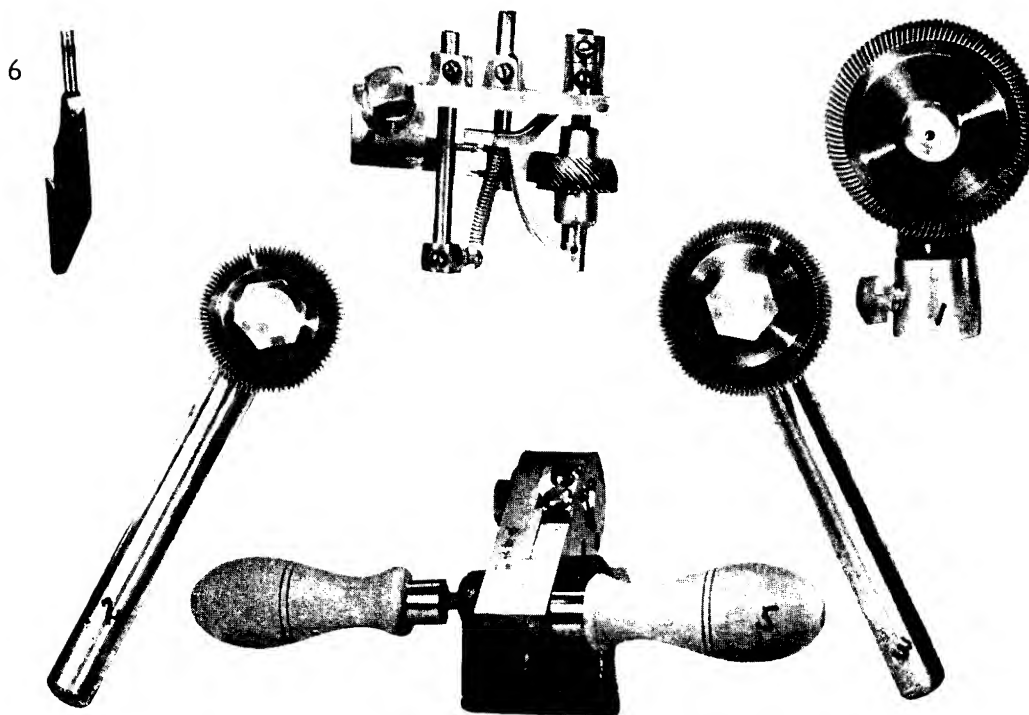
Model B is of identical construction as Model A, but has a larger table suitable for mounting two cylinders of 24", 25", 26", 27", 28", 29" or 30" diameters. This model is particularly recommended for knitting wider fabrics.

Owing to its larger size, each cylinder is equipped with either 6 feeds for knitting plain fabrics or 4 feeds for cotton flannels.

| | | | | | | | | | | |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Model | ... | ... | ... | ... | ... | ... | ... | ... | ... | B |
| Cylinder Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 24" to 30" |
| Working Floor Space | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5' 0" x 9' 0" |
| Power Required | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 H.P. |
| Cylinder Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 60-65 rpm |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net: 2700 lbs. approx. Gross: 3150 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 cu. ft. approx. |

BURS FOR PLAIN FABRICS

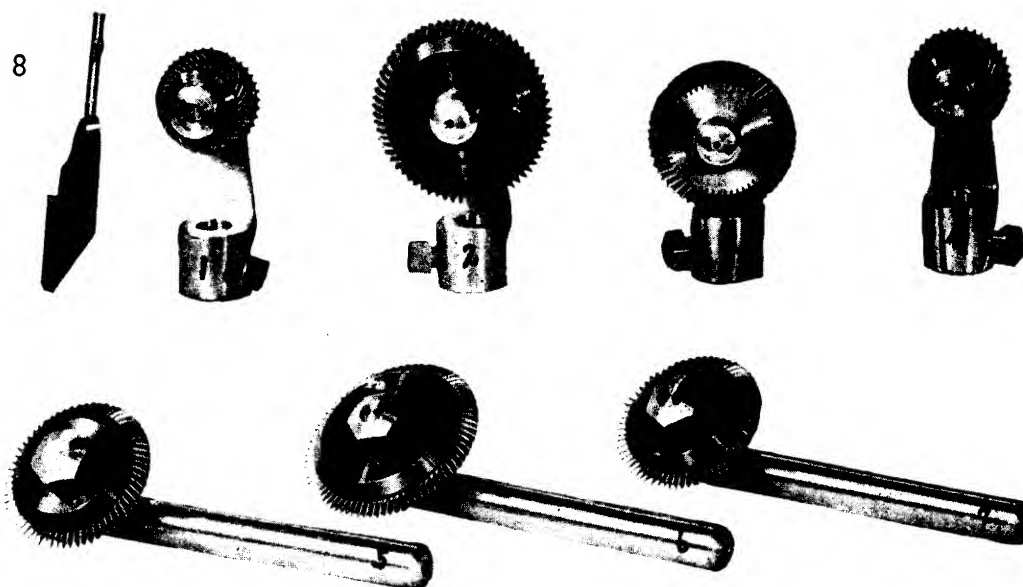
Gauge: 32, 34, 36, 40



(1) Clearing bur, (2) Lander Bur, (3) Cast-off bur, (4) Sinker bur,
(5) Needle mould, (6) Needle.

BURS FOR COTTON FLANNEL

Gauges: 20, 22, 24, 28



(1) and (4) Sinker bur (2) Clearing bur, (3) Backing bur, (5) and (7) Lander bur,
(6) Cast-off bur, (8) Needle.

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LEIPZIGER STR. 112 W8

CABLE: CNIEC BERLIN

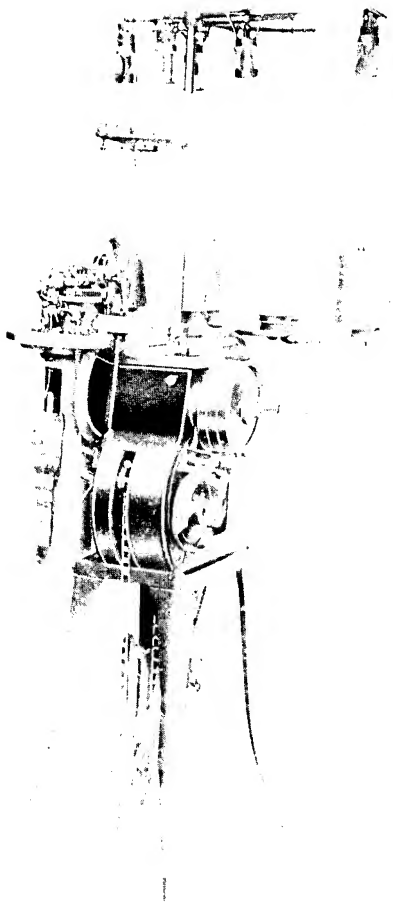
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自動織袜機



Automatic

**HOSIERY
MACHINE**

Model B-1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

自 動 織 襪 機

AUTOMATIC HOSIERY MACHINE MODEL B-I FOR SOCKS

This machine is equipped with five yarn changing fingers which make the body of half socks (hose). The rib-tops are knitted upon rib-top machine and transferred by hand work to the cylinder needles to complete knitting of rib-top sock.

The machine is driven by line shafting. The cylinder runs at a high speed when making the circular courses of the leg and foot, it runs at a low speed with a reciprocating motion when making the heel and toe.

Main components of the machine consist of drive shaft, clutch shipper drum, rack wheel, chain sprocket wheel, main pattern drum, drum cams, thrust bars, yarn changing fingers, transfer ring, cylinder, sinker ring, brush, stitch adjustment device, lifting pickers, down pick (dropper), yarn sheer, switch cams, stitch cams and other necessary parts.

The machine handles mercerized cotton yarn of different counts. It is arranged with five yarn changing fingers.

Hose of various sizes can be produced by altering the number of links of the pattern chain. Alarm bell attachment enables the operator to stop the machine when any needle is broken.

Number of needles :

Available in different cylinder diameters with number of needles as follows:—

3" Cylinder diameter 120, 140, 148 needles.

3 $\frac{1}{4}$ " Cylinder diameter 160, 176, 188 needles.

3 $\frac{1}{2}$ " Cylinder diameter 220, 240, 260, 280 needles.

Power Required : 1/4 H. P.

Cylinder Speed : 260 — 285 rpm.

Drive Pulley : 7" dia., 3 1/4" width.
Speed: 210 — 230 rpm.

Floor Space : Installation floor space 1'-6" × 2'-6"
Working space 2'-6" × 5'-0"

Production : Based on 8 working hours (Cotton sock)
3" diameter machine: 5-7 doz.
3 $\frac{1}{4}$ " diameter machine: 5-6 doz.
3 $\frac{1}{2}$ " diameter machine: 4-5 doz.

Packing : In wooden case.

Weight : Net weight 330 lbs. approx. Gross weight 420 lbs. approx.

Shipping Space : Measurement 27" × 30" × 34"

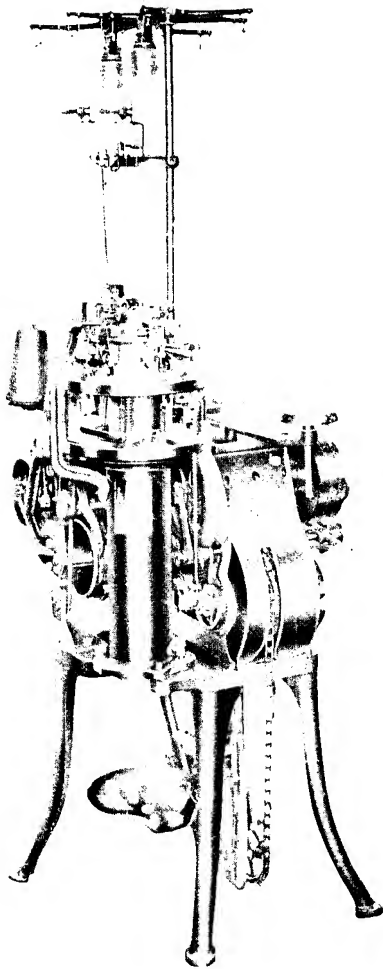


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自動織袜機



Automatic

**HOSIERY
MACHINE**

Model B-2

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

高筒提花織襪機

AUTOMATIC HOSIERY MACHINE MODEL B-2 FOR FANCY PATTERN SOCKS

Model B-2 features the revolving double cylinder which enables knitting of various fancy pattern socks. It can produce not only lace patterns but also spiral, diamond or chints pattern and change colour designs.

The fancy pattern is achieved by the 14 step cylinder jacks and double trick wheels. Various kinds of pattern are easily and quickly done by rearranging and setting of the drum cams. The machine is equipped with five yarn changing fingers which in conjunction with a colour pattern drum enable horizontal stripe designs of four different colours.

The machine is quite simple to operate like the ordinary Model B-1 and works automatically except the hand work of transferring the rib tops. The latch ring opens automatically subsequent to completion of socks.

The machine is driven by line shafting. When making the circular courses of the leg and foot, the cylinder runs at a high speed while the colour pattern drum also rotates. When making the heel and toe, the cylinder runs at a low speed with a reciprocating motion while the colour pattern drum does not rotate.

| | | |
|---------------------|--------|--|
| Number of Needles | ... .. | available in cylinder diameter 3", 3 $\frac{1}{4}$ ", 3 $\frac{1}{2}$ " with 160, 176, 188 and 200 needles. |
| Power Required | ... .. | $\frac{1}{4}$ HP |
| Cylinder Speed... | ... .. | 180-200 rpm |
| Drive Pulley | ... .. | 7" diameter $\frac{3}{4}$ " width. Speed: 138-150 rpm |
| Floor Space | ... .. | Installation floor space 1'-6" x 2'-6" Working space required 2'-6" x 5'-0" |
| Production | | Based on 8 working hours about 60 pairs. |
| Weight | | 429 lbs. net 550 lbs. gross |
| Packing Measurement | | 27" x 30" x 34" |



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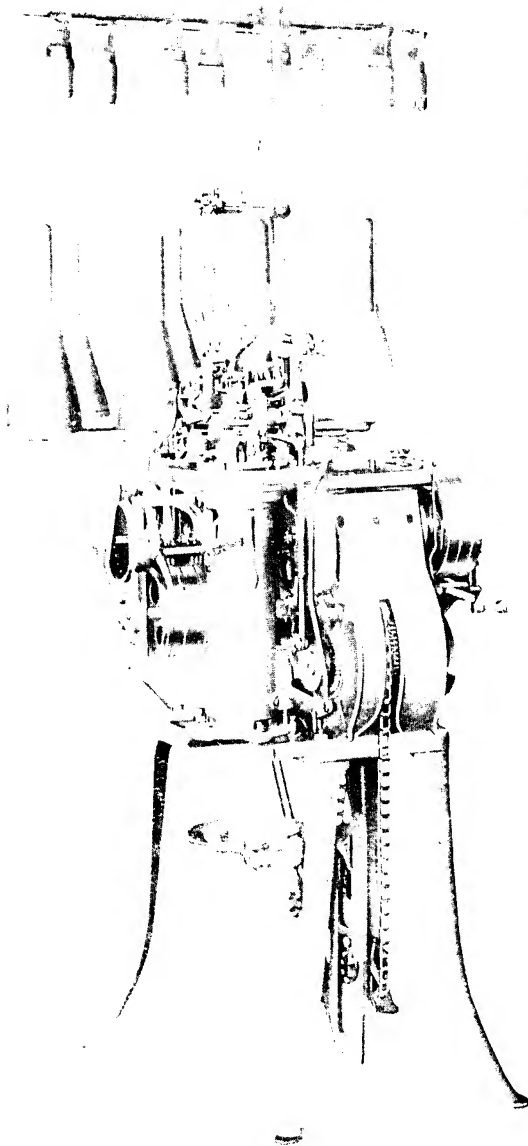
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自動織袜機



Automatic

**HOSIERY
MACHINE**

Model B-3

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

橡 口 織 襪 機

AUTOMATIC HOSIERY MACHINE MODEL B-3 FOR COLOUR STRIPED SOCKS WITH ELASTIC TOP

Model B-3 differs from Model B-1 in such a way that it is provided with attachments for making colour striped hose with elastic top.

The colour stripe pattern is accomplished by means of a colour pattern drum and yarn changing fingers, it enables the knitting of a large variety of horizontal striped pattern. The colour pattern drum is mounted above the main pattern drum, latter being common to all Model B machines. For cutting the pattern yarns, an automatic cutter is fitted to the colour pattern drum.

The machine is arranged with six yarn changing fingers for patterns in horizontal stripes of five different colours.

An elastic lay-in attachment is provided for insertion of rubber yarns in elastic tops. These elastic tops insure comfort in wear and will fit snugly to the leg.

Model B-3 embodies our latest improvements and designs and is worthy of recommendation. Besides, it produces colour striped hose which is well in demand in various countries of the world.

Number of Needles :

Available in cylinder diameters and number of needles as follows:—

3 $\frac{1}{4}$ " with 160, 176 and 188 needles.

3 $\frac{1}{2}$ " with 160, 176 188 and 200 needles.

Power Required : 1/4 H.P.

Cylinder Speed : 200–220 rpm.

Drive Pulley : 7" dia. 3/4" width. Speed: 138–150 rpm.

Floor Space : Installation floor space 1'–6" × 2'–6"
Working space 2'–6" × 5'–0"

Production : Based on 8 working hours about 70 pairs of cotton socks.

Packing : In wooden case.

Shipping Specification :

Net weight 385 lbs. Gross weight 500 lbs. Measurement: 27" × 30" × 34".





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25X1

羅紋機



25X1

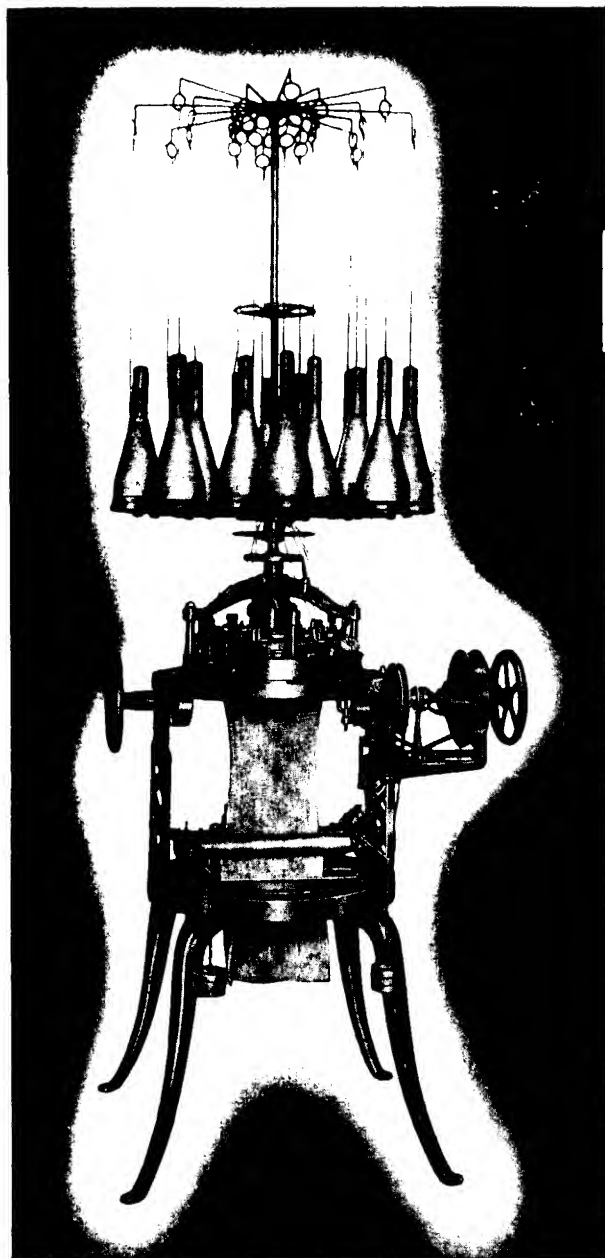
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25X1



纹 機

RIB MACHINE

Model : R-3

This rib machine is designed for producing rib bottom of underwear, or ribbed underwear for children.

The machine is built in diameters of 13" to 15" with 6—8 feeds and knits with two threads per feed. It produces 1 × 1 rib stitch having good elasticity of fabric.

The cylinder is made of best steel. The number of needles of the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cap, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Widths of fabric are dependent on the kind of yarn used, but an average 1 inch width of tube is obtained from 1 inch of diameter.

Among the advantages of the machine are reliability, high production, easy operation and durability.

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows:

13" 6 feeds 700 – 860 needles

14" 8 feeds 760 – 920 needles

15" 8 feeds 800 – 1200 needles

Power Required: ½ HP.

Cam Ring Speed: 25 to 40 rpm.

Drive Pulley: Speed 250 – 300 rpm.

Floor Space: Installation Floor Space 3'6" × 3'6"
Working Space 6'0" × 7'0"

Production: Based on 8 hours, about 600 to 1000 oz. of rib fabrics using 42s/2 mercerized yarn.

Weight: Net 260 kg. approx.

Gross 350 kg. approx.

Measurement:

This machine is used for knitting rib-cuffs of sleeves of underwears. It provides a French welt, the loose course and draw thread.

The machine is equipped with double feed and knits with two threads per feed producing 1×1 rib stitch. It makes perfect rib-cuffs, the section being separated by drawing the string.

It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the French welt and thus permits a fine quality product.

The cylinder is made of best materials. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, tuck course side cam ring, ribber dial, yarn stop motion and fabric take-up assembly.

Number of Needles: Available in different cylinder diameters with corresponding number of needles as follows:
3 $\frac{1}{2}$ " dia. 180 to 320 needles.
3 $\frac{3}{4}$ " dia. 180 to 360 needles.
4" dia. 220 to 400 needles.

Power Required: $\frac{1}{4}$ HP for each machine.

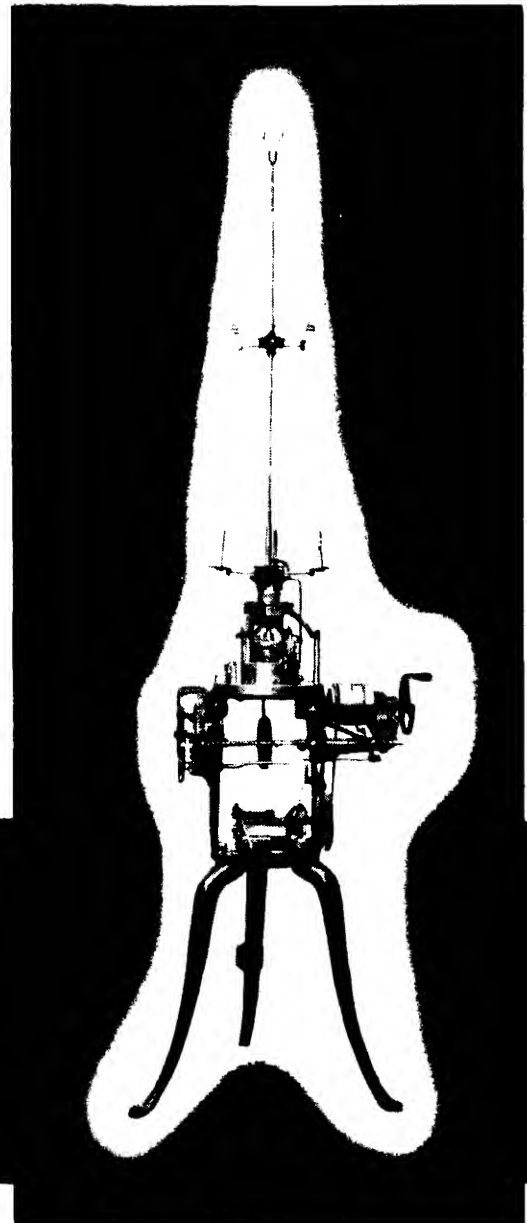
Drive Pulley: 4 $\frac{1}{2}$ " dia. \times 1-1/8" width.
300 to 400 rpm (high speed pulley)
210 to 240 rpm (low speed pulley)

Floor Space: Installation Floor Space 2'1" \times 2'1"
Working Space Required 3'0" \times 5'0"

Production: Based on 8 hours about 55 to 90 oz. when using 42s/1 mercerized yarn.

Weight: Net 95 kg. approx.
Gross 115 kg. approx.

Measurement: 30" \times 29" \times 54".



Automatic **RIB CUFF MACHINE** **Model: R-4**

電動領口羅紋機

This machine is used for knitting rib neck-band of underwears or sweaters.

According to its diameter, the machine is equipped with three to four feeds and knits with two threads per feed. It produces 1×1 rib stitch having good elasticity of fabric.

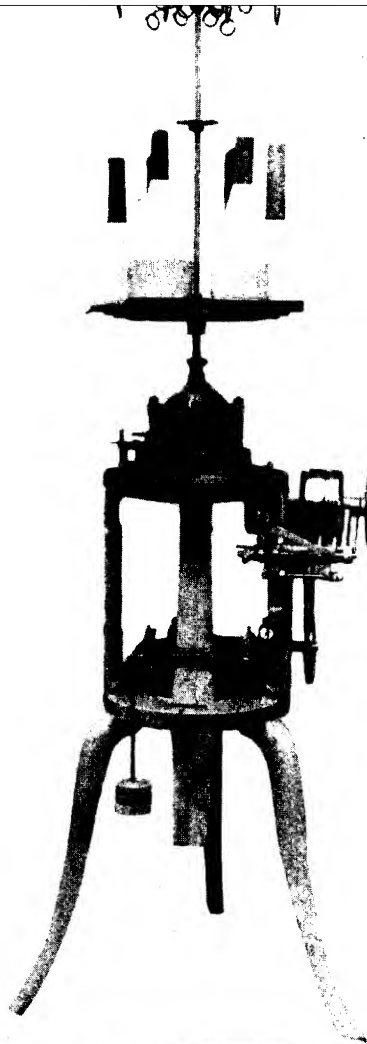
The cylinder is made of best steel. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with drive shaft, cam ring, ribber dial cup, bed and base, needle cylinder and dial, yarn carriers, yarn stop motion and fabric take-up assembly.

Number of Needles:

Available in different cylinder diameters with corresponding number of needles as follows:

| | | |
|-----|---------|--------------------|
| 6" | 3 feeds | 320 to 540 needles |
| 6½" | 3 feeds | 320 to 540 needles |
| 7" | 4 feeds | 320 to 540 needles |



Automatic RIB NECK-BAND MACHINE Model: R-5

Power Required: ½ HP for each machine.

Cam Ring Speed: About 80 rpm.

Drive Pulley: 4½" dia. × 1-1/8" width.

Speed: 300 rpm.

Floor Pulley: Installation Floor Space: 2'2" × 2'2"

Working Space Required: 4'0" × 5'0"

Production: Based on 8 hours about 270 oz. of rib neck-band using 42s/2 mercerized yarn.

Weight: Net 110 kg. approx.

Weight: Gross 150 kg. approx.

Measurement:

Automatic **RIB TOP MACHINES**

袜腰羅纹機

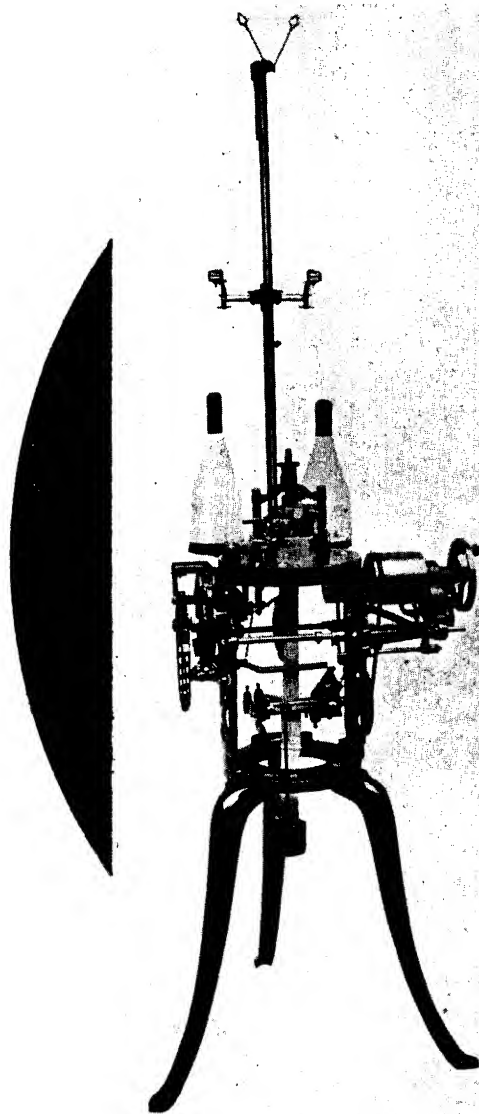
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25X1

25X1



Automatic

RIB TOP MACHINE

Model: R-1

Rib Top

knitting rib-tops of half
selvage welt, the loose course and

The machine is equipped with single feed for knitting with two threads. It knits 2×2 rib stitch having good elasticity of fabric. The sections of the rib tops are separated by drawing the string.

It is furnished with a two speed drive attachment and for plain knitting the high speed is applied while the low speed is used for knitting the selvage welt and thus permits a fine quality product.

The cylinder is made of best material. The number of needles in the knitting unit is changed by altering the cylinder and dial.

The machine is equipped with driving shaft, low speed pulley gear, clearing course side cam ring, stitch side cam ring, ribber dial cup assembly, pattern wheel, bed and base, needle cylinder and dial, yarn carrier, yarn stop motion and fabric take-up assembly.

雙針光邊電動襪腰羅紋機(素色)

五色調綫電動祙腰羅紋機

Automatic

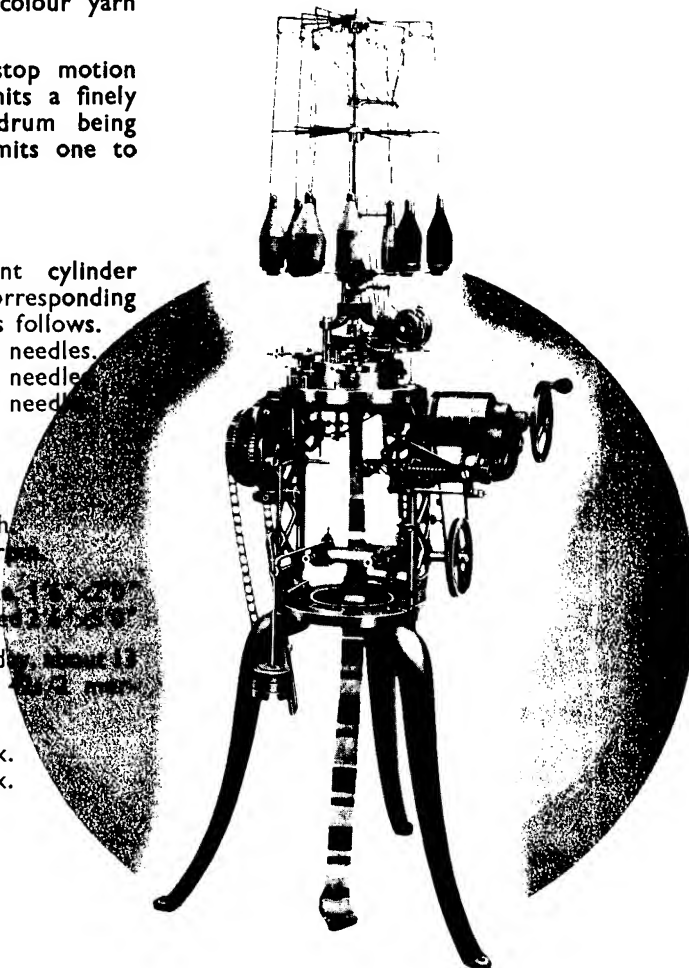
Model: R-2

For Colour Striped Rib Top

Model R-2 is used for knitting automatically and continuously striped rib-tops in five different colours. It is built by fitting Model R-1 with a 5 colour yarn changer.

The machine is equipped with yarn stop motion and fabric take-up assembly which permits a finely finished product. The colour pattern drum being equipped with an interchangeable pin permits one to make various kinds of horizontal stripes.

| | |
|--------------------|---|
| Models: | R-1 and R-2. |
| Number of Needles: | Available in different cylinder diameters with corresponding number of needles as follows. 3 $\frac{1}{8}$ " dia. 160 to 200 needles. 3 $\frac{3}{4}$ " dia. 176 to 220 needles. 4" dia. 188 to 240 needles. |
| Power Required: | $\frac{1}{2}$ HP. |
| Cam Ring Speed: | 138 to 158 rpm. |
| Drive Pulley: | 4 $\frac{1}{4}$ " dia. \times 1-1/8" width. Speed: 386 to 446 rpm. |
| Floor Space: | Installation Floor Space: 1'6" \times 2'0" Working Space Required: 2'4" \times 2'0" |
| Production: | Based on 8 hours per day, about 13 dozs. of rib-tops of 24/2 mercerized cotton. |
| Weight: | Net 79 kg. approx. Gross 142 kg. approx. |
| Measurement: | 30" \times 29" \times 54". |



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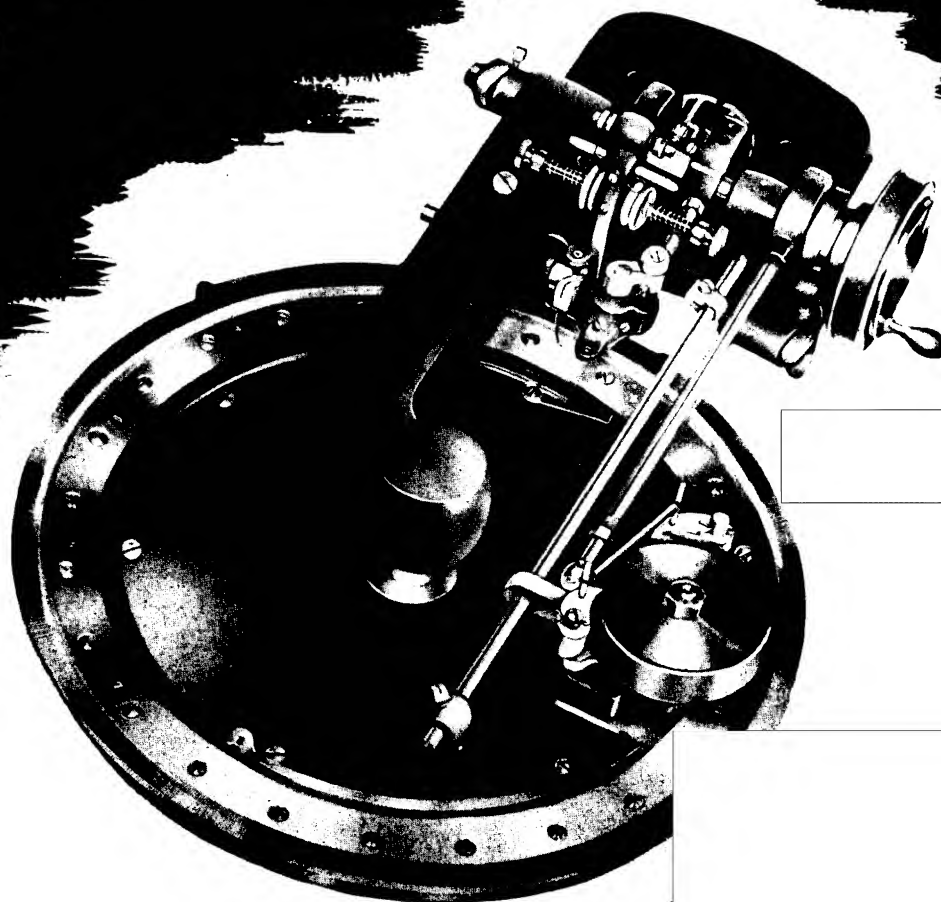
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25X1

縫機頭機

Lockstitch Looper



25X1

25X1

25X1

中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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TRANSMACH PEKING

25X1

縫機頭機

LOCKSTITCH LOOPER

This machine is used for looping toe-tops of hosiery. It can also be used for looping rib-cuffs to sleeves of underwears.

Main components of the looper consist of main shaft, belt pulley, clutch, needle and hook bracket, needle lever, hook lever, plate for point ring, point ring, rack wheel, yarn take up and other necessary parts.

The machine can be adapted to loop fine or coarse fabrics by changing the points, rack wheel, eccentric plug, and the needle and hook.

The following table gives the points per inch of the looper to correspond to the number of needles of the hosiery machine and the material handled.

| Points per Inch | Number of Needle of hosiery machine | Material Handled |
|-----------------|-------------------------------------|----------------------------------|
| 12 | 88 — 104 | Woolen hosiery |
| 14 | 120 — 140 | Woolen hosiery |
| 16 | 140 — 160 | Woolen and cotton thread hosiery |
| 18 | 160 — 176 | Cotton yarn or thread hosiery |
| 20 | 176 — 188 | Cotton yarn or thread hosiery |
| 22 | 188 — 220 | Cotton yarn or thread hosiery |
| 24 | 220 — 240 | Fine cotton yarn hosiery |
| 26 | 240 — 260 | Fine cotton yarn hosiery |
| 28 | 260 — 280 | Fine cotton yarn hosiery |
| 30 | 300 — 320 | Silk hosiery |
| 32 | 320 — 352 | Silk hosiery |

The looper can be fitted with an automatic cutter for looper yarn which saves labour. It can also be equipped with an automatic cutter for looper waste which increases production of about 50%. Besides saving of labour, better quality products can be obtained.

The machine can be arranged for treadle drive on a sewing machine table if electric power is not available.

Outstanding advantages of the looper are :

OCCUPYING LITTLE SPACE, LOW POWER CONSUMPTION, SIMPLIFIED OPERATION, HIGH PRODUCTIVITY, SUPERIOR QUALITY PRODUCTS.

| | | |
|-----------------------|--------|--|
| Drive pulley size : | ... .. | 4" dia. 3/4" width |
| Drive pulley speed : | ... .. | 250 — 350 rpm |
| Power required : | ... .. | 1/12 HP |
| Floor space : | ... .. | Installation floor space 2'×3' |
| | | Working space required 3'×6' |
| Production : | ... .. | For toe-looping, one worker can loop 32 doz. pairs heavy hosiery or 26 doz. pairs light hosiery; for sleeve looping 12 doz. underwears. Production being based on 8 working hours. |
| Weight : | ... .. | 26 kgs. nett, approx. 42 kgs. gross approx. |
| Packing measurement : | | 76×48×30 cm. (0.11 cu. m.) approx. |

離心力脱水機



EXTRACTOR

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD TRANSMACH PEKING

離心力脱水機

HYDRO EXTRACTOR

MODEL KM 106

(甩水機)

The hydro-extractor is used for removing free or excessive moisture of hosiery or other knitting goods. The moisture that can be extracted is about 40 to 50%.

The base, leg and housing are of gray cast iron. The central boss is a part of the casting and bored true. The spindle shaft, made of the best grade steel, runs in a combination ball and roller bearings, thus reducing friction to a minimum. The lower end of the shaft runs on a steel step bearing while its upper end carries the basket which is made of copper sheet perforated with holes through which the water flows out. A drain pipe is provided in the base.

The machine is arranged for individual drive by an electric motor and V-belt, with adjustable belt tension device. A band brake is provided for stopping the rotation of the basket.

The basket holds about 100 lbs. of dry material and it takes about 3 to 10 minutes for each batch of centrifuging which depends upon the moisture content of the material being handled.

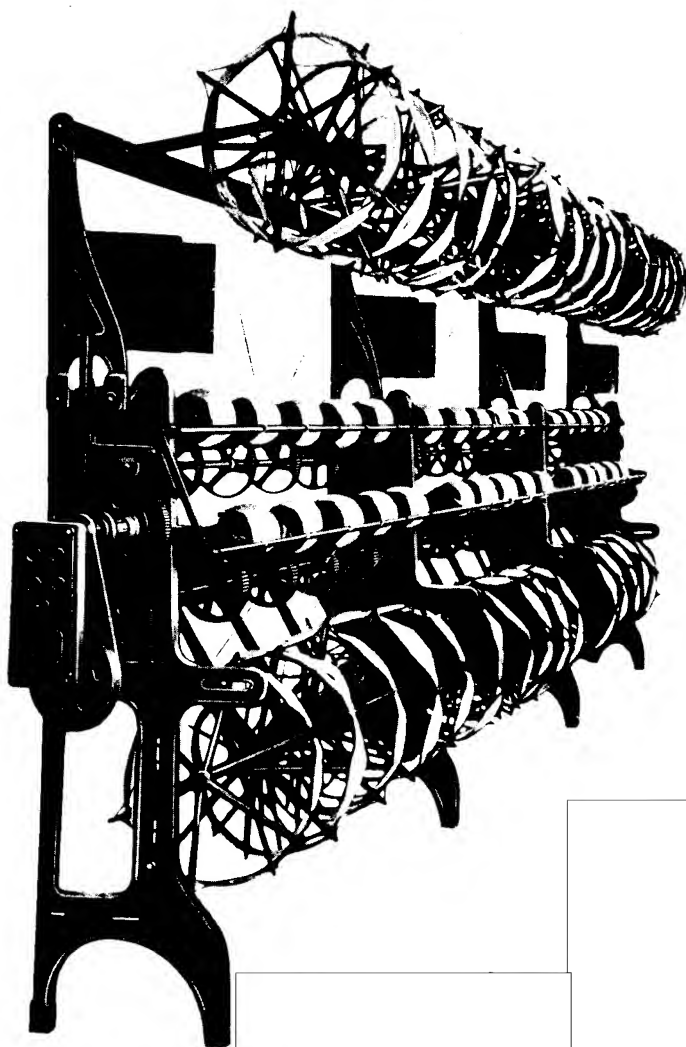
| | | | | | |
|--------------------|-----|-----|-----|-----|--------------------------|
| Diameter of Basket | ... | ... | ... | ... | 36" |
| Depth of Basket | ... | ... | ... | ... | 14" |
| Basket Content | ... | ... | ... | ... | 100 lbs. of dry material |
| Power Required | ... | ... | ... | ... | 7½ H.P. |

Grooved Pulley of Shaft:—

| | | | | | |
|--------------------------|-------|-----|-----|-----|--------------------|
| Pitch diameter | ... | ... | ... | ... | 10" |
| Speed | ... | ... | ... | ... | 780 rpm |
| V-belts | ... | ... | ... | ... | 4 pcs. B-95 |
| Installation Floor Space | ... | ... | ... | ... | 4'×5' |
| Working Space Required | ... | ... | ... | ... | 9'×9' |
| Weight:— | Net | ... | ... | ... | 2,650 lbs. approx. |
| | Gross | ... | ... | ... | 3,100 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | 70 cu. ft. approx. |

Bamboo Hexagon Traverse Winder

轉線機



25X1

25X1

國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

轆 線 機

BAMBOO HEXAGON TRAVERSE WINDER

This winder is used for winding cotton yarns in hanks on to bamboo hexagons for the purpose of rewinding into cone-tubes by a cone-tube traverse winder. It is a preparatory machine for handling yarns in knitting mills and hosiery mills.

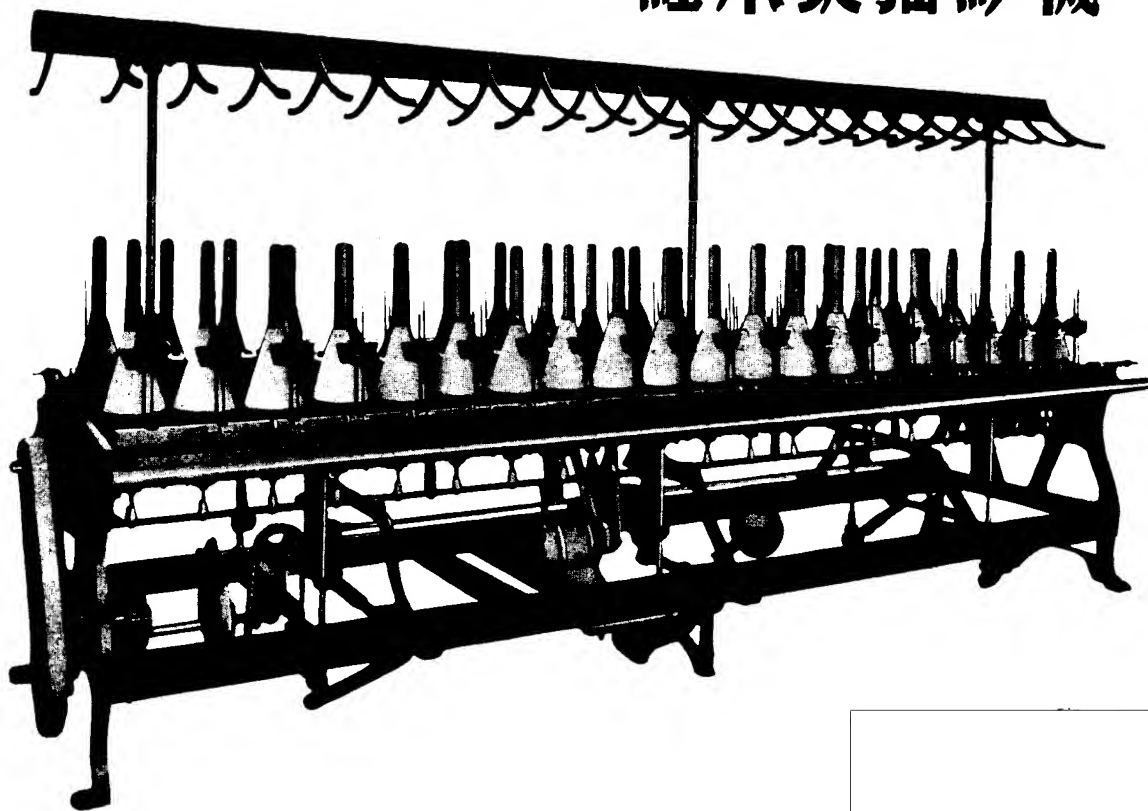
The winder is driven by belt pulley which transmits power to both the upper shaft and the lower shaft. The shafts drive the drums on the spindle shaft by means of friction pulleys. It is equipped with traverse motion for the yarns.

The winder is built in 64 and 80 spindles respectively, which are arranged on both sides.

| | | | | | | |
|--------------------------|-----|-----|-----|-----|--|--------------------|
| Number of Spindles | ... | ... | ... | ... | 64 | 80 |
| Spindle Speed | ... | ... | ... | ... | 650 rpm | 650 rpm |
| Power Required | ... | ... | ... | ... | 2 HP | 2 HP |
| Installation Floor Space | ... | ... | ... | ... | 18"×4" | 22"×4" |
| Working Space Required | ... | ... | ... | ... | 23"×9" | 27"×9" |
| Drive Pulley, dia.×width | ... | ... | ... | ... | 10½"×1½" | 10½"×1½" |
| Drive Pulley, speed | ... | ... | ... | ... | 350 rpm | 350 rpm |
| Production | ... | ... | ... | ... | Based on 8 hours, every 10 spindles about 7 packages of 3.75 kgs. 42s/2 cotton thread. | |
| Net Weight | ... | ... | ... | ... | 1210 lbs. | 1670 lbs. approx. |
| Gross Weight | ... | ... | ... | ... | 1800 lbs. | 2210 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | 52 cu. ft. | 65 cu. ft. approx. |

BOTTLE BOBBIN WINDING MACHINE

紅木錠搖紗機



中國運輸機械進口公

25X1

25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

25X1

紅 木 錠 搖 紗 機

BOTTLE BOBBIN WINDING MACHINE

This machine is used for winding yarns in skeins or for rewinding yarns from bamboo hexagons onto bottle bobbins.

Two single rows of 20 upright spindles are arranged on each side of the frame. These spindles are driven by grooved cord pulleys mounted on a main shaft which is placed along the centre of the machine.

The traverse of the yarn is effected by cam motion which raises or lowers the traverse rail, thereby conveying the yarn to the bobbins. Other equipments include thread guide in the form of brass bowls, yarn cleaning arrangement and ryes. The bobbins may be changed without stopping the machine.

Among the main advantages of this machine are high productivity and minimum power requirement.

Production 8 hours per day is approximately as follows:-

10 to 12 packages (3.75 kg.) for 32s/l cotton

up to 40 to 50 packages for 6s/l cotton.

| | | |
|--------------------|--------|--------------------------------|
| Number of spindles | ... .. | 40 |
| Spindle speed | ... .. | 800 to 1,000 rpm. |
| Power required | ... .. | 1½ HP. |
| Drive pulley:- | ... .. | Grooved for 1 pce. B-70 V-belt |
| Diameter | ... .. | 12-3/8" |
| Speed | ... .. | 280 to 300 rpm. |

Floor space:-

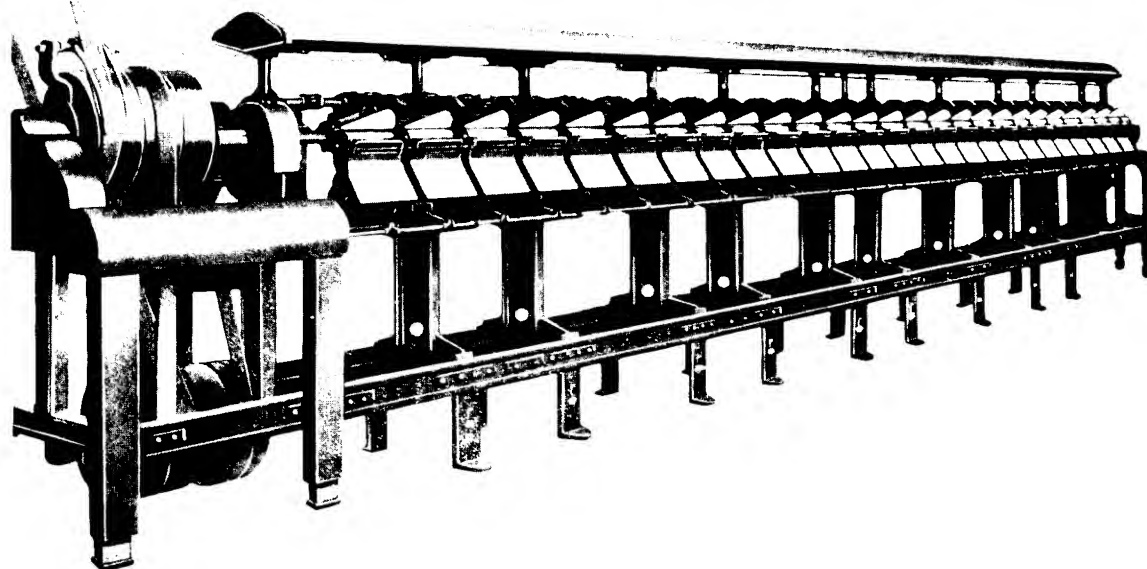
| | | |
|--------------|--------|------------|
| Installation | ... .. | 4'0"×14'0" |
| Working | ... .. | 8'0"×16'0" |

Weight:-

| | | |
|-----------------|--------|-----------------|
| Nett | ... .. | 850 kg. approx. |
| Gross | ... .. | approx. |
| Shipping volume | ... .. | cu. m. approx. |

25X1

CONE-TUBE TRAVERSE WINDER



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

25X1

CONE-TUBE TRAVERSE WINDER

The winder is designed for rewinding yarns from bamboo hexagons onto cone-tubes for knitting purposes in hosiery or knitting mills. It is built for 40 or 60 spindles, the spindles being arranged on both sides of the frame.

Differential Motion:

The cones are rotated by frictional contact with the steel winding rolls mounted on the roll shafts (one on each side of the frame). These roll shafts are arranged with differential driving motion which gives practically a uniform speed of the yarn when winding, thus avoiding shocks and reducing the brakeage of the yarn.

Traverse Motion:

The traverse of the yarn is effected through cams. The cam-shaft which is placed along the centre of the machine drives by means of worm gearing the two traverse cams (one on each side of the frame). As the cams revolve, they impart a reciprocating motion to the traverse-bars conveying the threads from the bamboo hexagons through thread guide.

Tension and Slub - Catcher:

The winder is provided with tension device and slub-catcher which assure the production of perfectly wound cones.

Stop Motion:

Each spindle of the winder is provided with rocker stop motion for package size. All cone yokes are supplied with latch and catch arrangement for raising the work from the roll when end breaks.

Production:

For the spindles, the production based on 8-hour day is approximately as follows:

| | | |
|---------------------------|--------------------------|------|
| 42s/2 cotton thread: | 5-6 packages of 3.75 kg. | |
| 32s/2 cotton thread: | 6-8 packages of 3.75 kg. | |
| Number of spindles: | 40 | 60 |
| Spindle speed: | rpm 1700 | 1700 |
| Power Required: | HP 3 | 5 |
| Installation Floor Space: | ft. 20x4 | 27x4 |
| Working Space: | ft. 24x8 | 31x8 |
| Weight: | kg. 2000 | 2900 |
| Shipping Space: | cu. ft. | |



中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

紗 線 絲 光 機

YARN MERCERIZING MACHINE

This machine is used for mercerizing cotton yarn by caustic lye. Besides increasing the tensile strength of the fibre, the process imparts to the yarn a beautiful lustre and makes it easy to dye. It also saves dyestuff.

The machine is fitted with two pairs of skein carrying rollers, the two rollers near the driving end of the machine are power driven by means of bevel gears while the other two rollers are not power driven but can be moved by means of a handwheel and screw so that they approach and recede from the two power driven rollers. Under each pair of rollers is a shallow trough for caustic lye, it being possible to raise or lower this trough. For each pair of rollers, a shallow tray for wash water capable of sliding between the rollers and the trough is also provided.

A rubber covered squeezing roller also extends along the length of one of each pair of skein carrying rollers, so that the skeins are subject to pressure and their impregnation with caustic lye is thereby assisted.

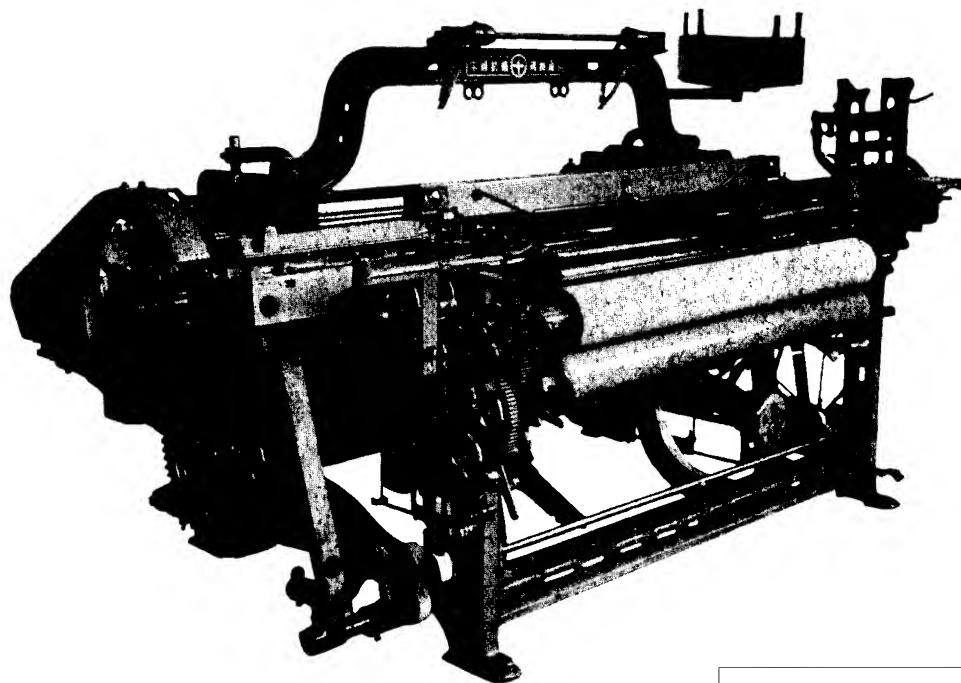
The machine can be provided with a reversing clutch which causes the power driven rollers to rotate in one direction and then in the opposite direction at regular intervals. This will improve the impregnation of the yarn with caustic lye.

The machine is driven by grooved pulley and is equipped with a motion on which disengages the power driven rollers after the yarn has rotated in the caustic lye a certain number of times as indicated by a clock dial.

Each pair of rollers can carry 6 to 7 skeins of yarns. About 50 packages of yarns of 3.75 kgs. can be mercerized in 8 hour-day. Each batch of mercerization takes about five minutes.

| | | | | | | | | |
|--------------------------|-------|-----|-----|-----|-----|-----|-----|--------------------|
| Length of Rollers | ... | ... | ... | ... | ... | ... | ... | 20" |
| Power Required | ... | ... | ... | ... | ... | ... | ... | 3 HP |
| Roller Speed | ... | ... | ... | ... | ... | ... | ... | 4 to 6 rpm |
| Grooved Pulley: | | | | | | | | |
| Pitch diameter | ... | ... | ... | ... | ... | ... | ... | 28" |
| Speed | ... | ... | ... | ... | ... | ... | ... | 120 |
| V-belts | ... | ... | ... | ... | ... | ... | ... | 2 pcs. B-90 |
| Installation Floor Space | ... | ... | ... | ... | ... | ... | ... | 6'×6' |
| Working Space Required | ... | ... | ... | ... | ... | ... | ... | 8'×9' |
| Weight: | Net | ... | ... | ... | ... | ... | ... | 2,800 lbs. approx. |
| | Gross | ... | ... | ... | ... | ... | ... | 3,450 lbs. approx. |
| Shipping Space | ... | ... | ... | ... | ... | ... | ... | 85 cu. ft. approx. |

1511 型 織 機
AUTOMATIC LOOM
TYPE 1511



25X1

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.

25X1

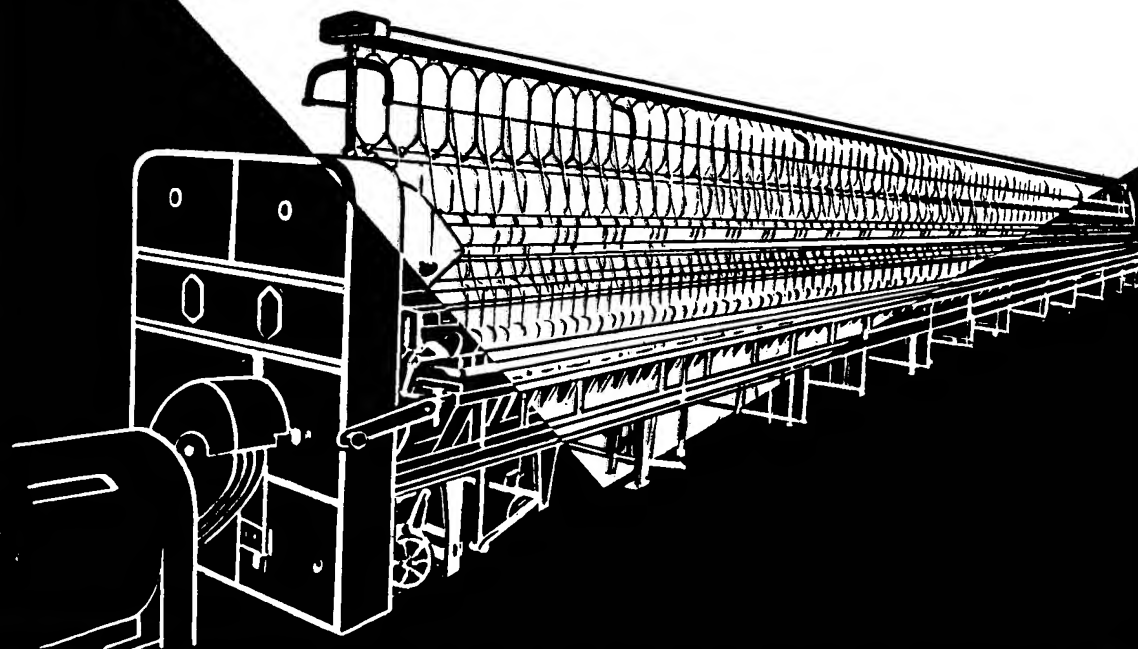
SPECIFICATION:

1. Type ... Under pick, non-stop shuttle changing
 2. Hand... Left or right hand
 3. Reed space ... 1117 mm. (44")
 4. Cloth width ... 965 mm. (38")
 5. Speed ... 195 picks/min.
 6. Let-off motion... positive
 7. Yarn beam ... Flange Dia. 495.3 mm (19½")
Maximum distance between flanges: 1117 mm
 8. Warp stop motion... Mechanical system, 4 lines of dropper bars
 9. Shedding motion ... Dobby up to 16 shafts, tappet up to 5 leaves
 10. Slay motion ... Radius of crank shaft—70 mm
 11. Picking motion... With weft breakage stop motion, loose reed attachment and shuttle-flying guard
 12. Shuttle changing ... Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.
- Attachment :*
- Miss pick preventer if required
13. Temples and take-up motions ... Temple of wood rollers, and with cloth feeler; with intermittent taking-up motion, cloth roller for 2 pieces of cloths

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1

TEXTILE MACHINERY



中國製造

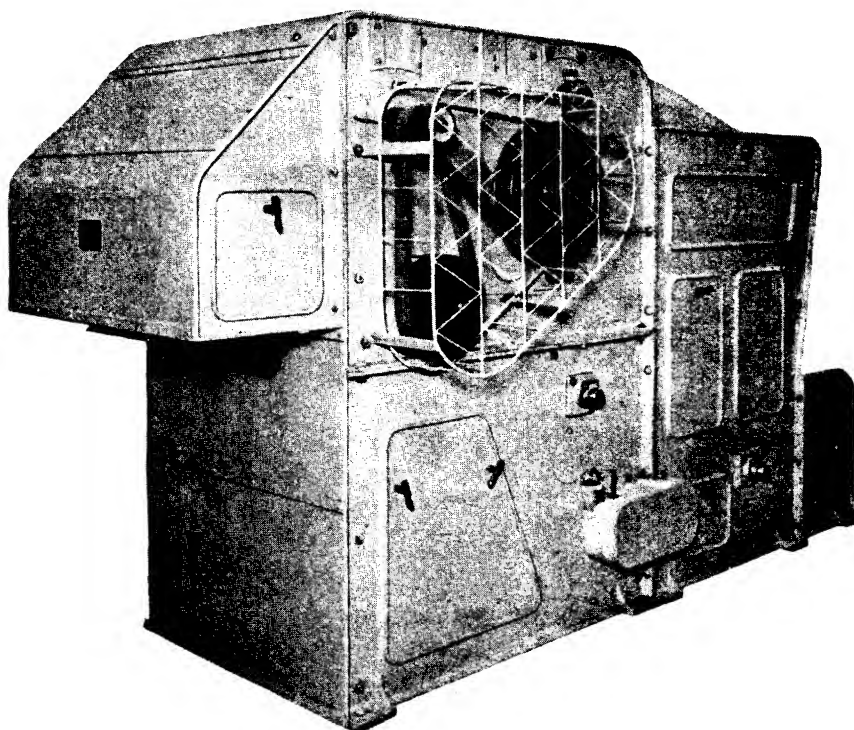
25X1

CHINA NATIONAL TRANSPORT MACHINERY IMP

IMPORTERS & EXPORTERS

100 HSI-4140 BEIJING CHINA

1011 型 混 棉 給 棉 機
BLENDING HOPPER FEEDER
TYPE 1011



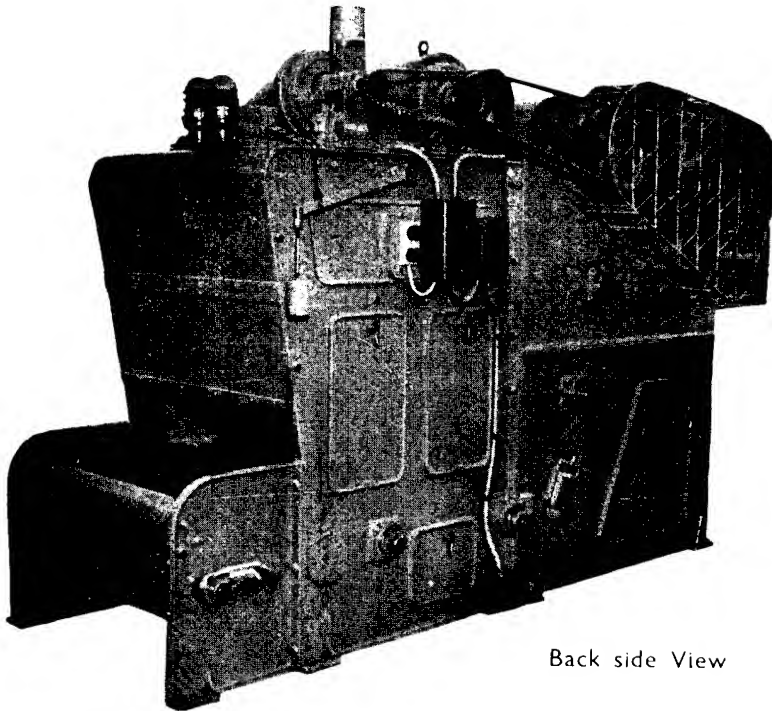
Front side View

SPECIFICATION:

- | | | | | | |
|--|-----|-----|-----|-----|--------------------------------|
| 1. Max. output | ... | ... | ... | ... | 320 kg hour |
| 2. Working width | ... | ... | ... | ... | 920 mm |
| 3. Overall dimension | ... | ... | ... | ... | L. 3190 × W. 1440 × H. 2048 mm |
| 4. Diameter of Stripping Roller | ... | ... | ... | ... | 385 mm |
| 5. Number of Leather flaps of stripping roller | ... | ... | ... | ... | 4 |
| 6. Speed of Stripping Roller | ... | ... | ... | ... | 425 rpm |
| 7. Centre distance of upright spiked lattice | ... | ... | ... | ... | 1364 mm |

25X1

8. Angle of inclination of upright spiked lattice $21^{\circ} 41'$
9. Speed of upright spiked lattice ... (a) 11.7 meters min.
(b) 29.5 meters min.
10. Diameter of Evener Roller 260 mm
11. Number of rows of teeth of Evener Roller 6
12. Speed of Evener Roller 310 rpm
13. Distance between upright spiked lattice and stripping roller 0-16 mm
14. Distance between upright spiked Lattice and Evener Roller 0-37 mm
15. Dimension of Dust Fan $\phi 208$ mm x width 40 mm
16. Speed of Dust Fan 2000 rpm



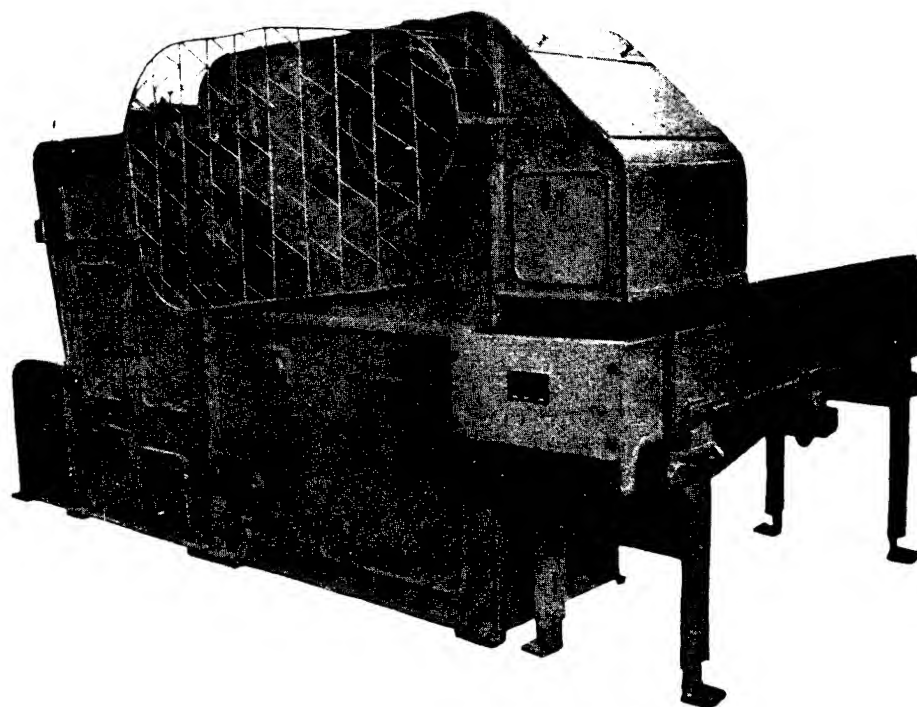
Back side View

N.B.- For improvement of the machine, we reserve the right to alter either the design or the specification.

1012A 型 回 花 給 棉 機

WASTE HOPPER FEEDER

TYPE 1012A

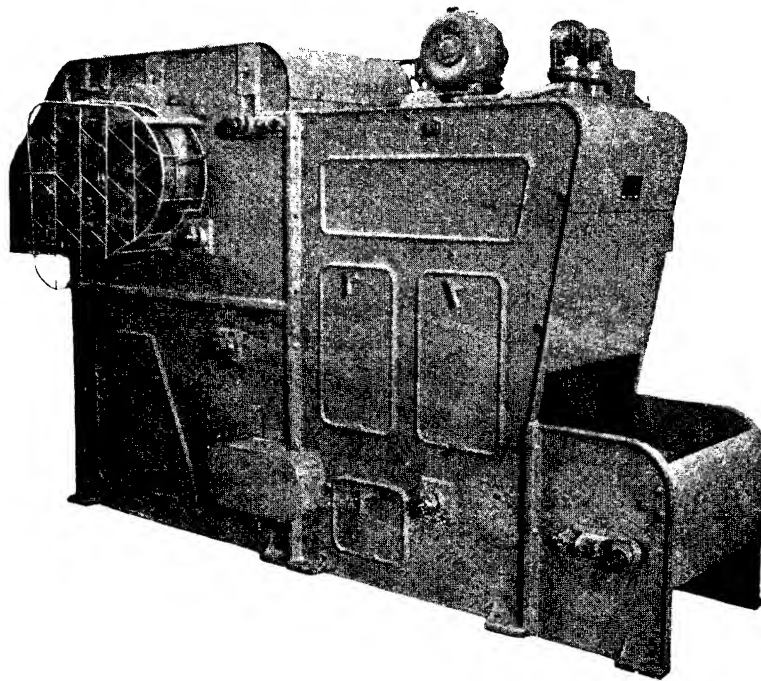


Front View

SPECIFICATION:

1. Maximum output 80 kg hour
2. Working width 610 mm
3. Overall dimension L. 3190 · W. 1130 · H. 1887 mm
4. Diameter of stripping roller ... 385 mm
5. Number of leather flaps of stripping roller 4
6. Speed of stripping roller 210 rpm
7. Centre distance of upright spiked lattice 1364 mm

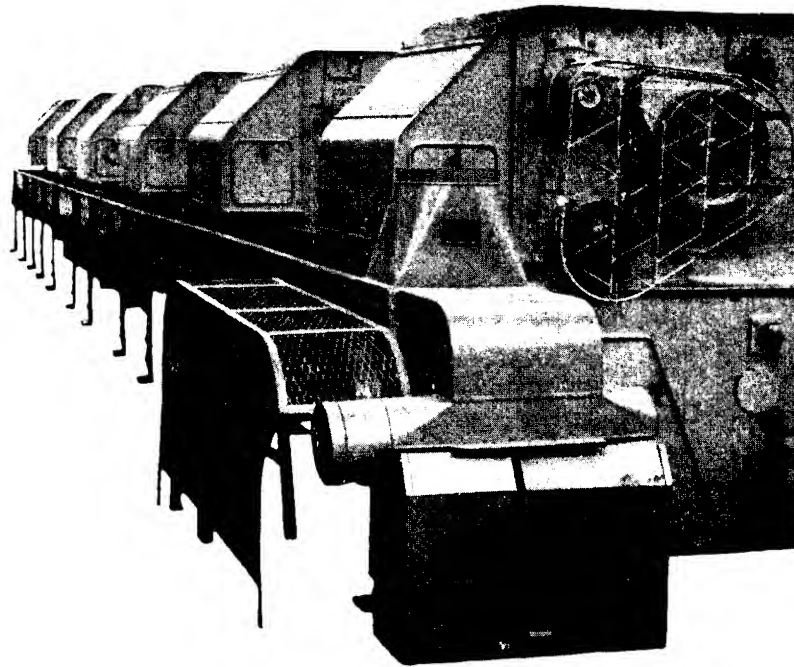
8. Angle of inclination of upright
spiked lattice 21° 41'
9. Speed of upright spiked lattice... 7.9 metres min. 14.7 metres min.
10. Length of Evener Rake... .. 300 mm
11. Oscillation of Evener Rake 110 times per min.
12. Distance between upright spiked
lattice and stripping roller 0—22 mm
13. Distance between upright spiked
lattice and evener rake... .. 0—30 mm



Back View

*N.B. -For improvement of the machine, we reserve the
right to alter either the design or the specification.*

1021 型 高 速 給 棉 簾 子
HIGH SPEED FEED LATTICE
TYPE 1021



SPECIFICATION:

- | | | | | | |
|---------------------------|-----|-----|-----|-----|---|
| 1. Working width | ... | ... | ... | ... | 420 mm |
| 2. Overall dimension | ... | ... | ... | ... | Length 4432 · 1200 M ± 1800 H. mm Width 1037 mm Height 933 to 1013 mm |
| 3. Length of feed lattice | ... | ... | ... | ... | 1200 M ± 1800 H ± 3290 mm |
| 4. Speed of feed lattice | ... | ... | ... | ... | 67 meters min. |

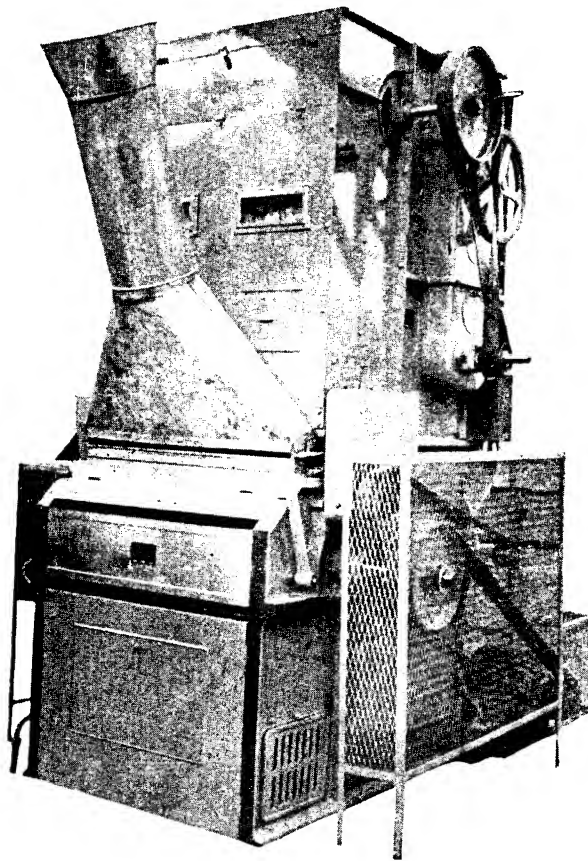
NOTE: M - number of frames of 1200 mm in length
H - number of frames of 1800 mm in length

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1031 型 豪 猪 式 開 棉 機

PORCUPINE OPENER

TYPE 1031



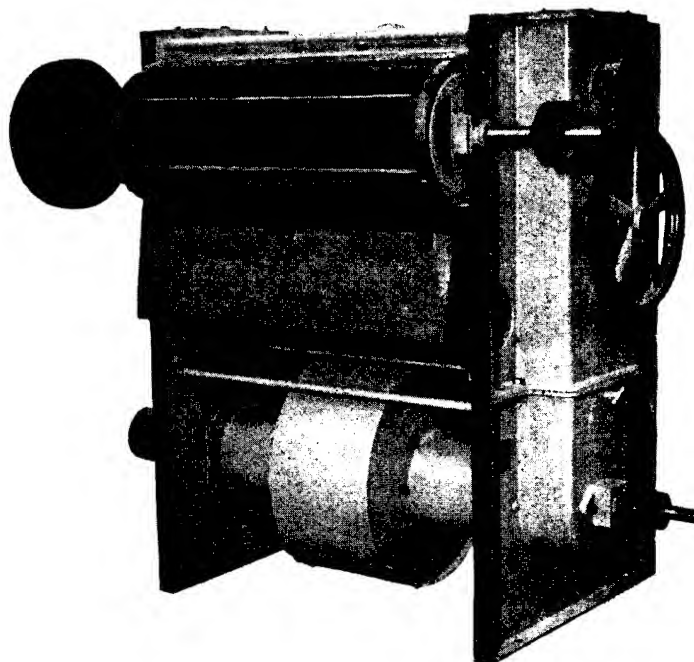
SPECIFICATION:

1. Maximum output 800 kg hour
2. Working width 1000 mm
3. Overall dimension L. 2200 (including motor) W. 2000 H. 2965 mm
4. Diameter of beater 610 mm
(18 discs, 12 knives each disc)
5. Speed of beater 600, 650, 700 rpm
6. Diameter of feed roller 76 mm
7. Speed of feed roller 20, 25, 30, 35, 40 rpm
8. Number of grid bars 79 pcs.
9. Number of adjustable sections of
grid bars right and left hands total 16 pcs.
10. Gauge between grid bar and beater top 10-14 mm
back 11.5-15.5 mm
bottom 13-17 mm
delivery 14.5-18.5 mm
11. Gauge between grid bars 4-7 mm
12. Overall dimension of reserve filling
trunk L. 1015 W. 1010 H. 535-670 mm
(adjustable)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1041 型 1041A 型 高 速 塵 籠

HIGH SPEED DUST CAGE
TYPE 1041 and 1041A

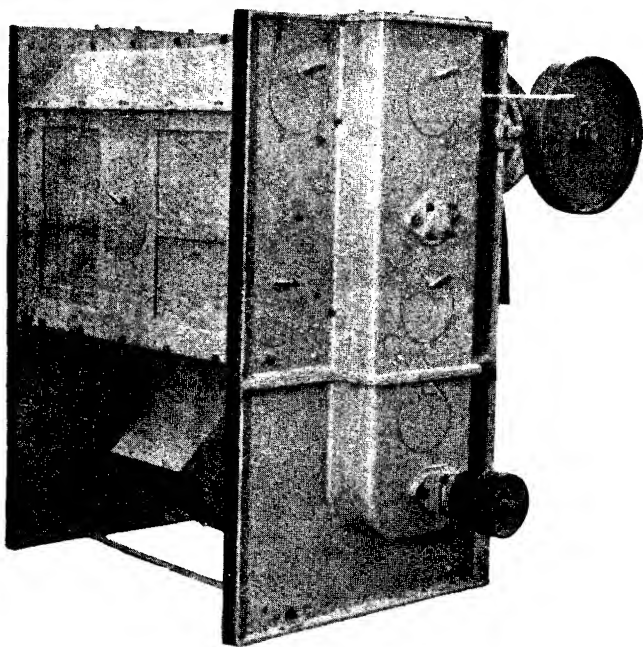


Front View

SPECIFICATION:

1. Maximum output ... 800 kg hour
2. Working width ... 1000 mm
3. Overall dimension for type 1041 ... L. 1134 · W. 1912 · H. 1600 mm
4. Overall dimension for type 1041A
without fan ... L. 1134 · W. 1712 · H. 940 mm
5. Diameter of Dust Cage ... 560 mm

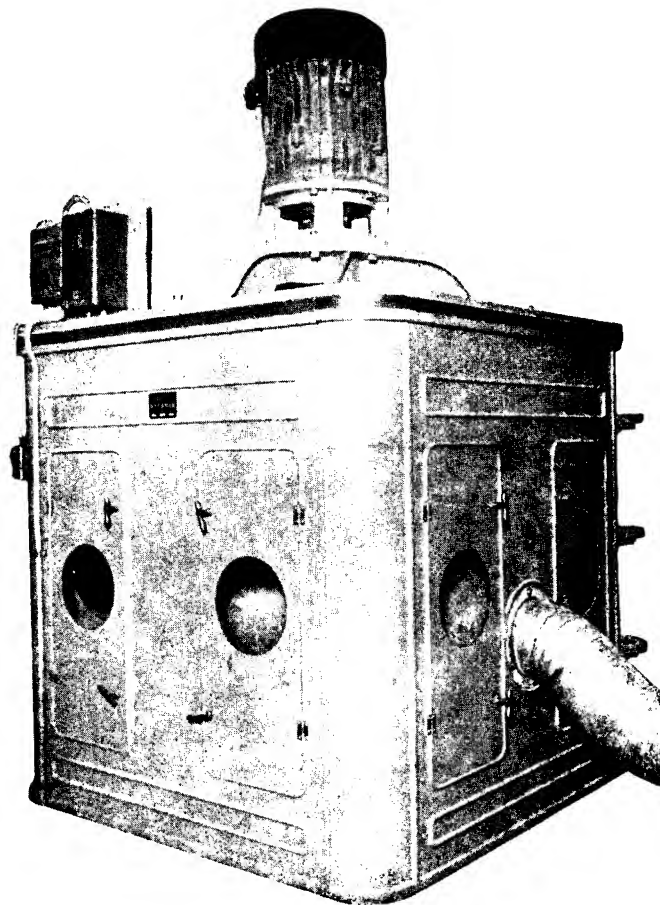
6. Speed of Dust Cage ... 100 rpm
7. Diameter of Stripping Roller ... 360 mm
8. Speed of Stripping Roller ... 330 rpm
9. Diameter of fan ... 550 mm
10. Speed of fan (upon request) ... 1050; 1200; 1300; 1400; 1500 rpm



Back View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1051A型 立式開棉機
CRIGHTON OPENER TYPE 1051A

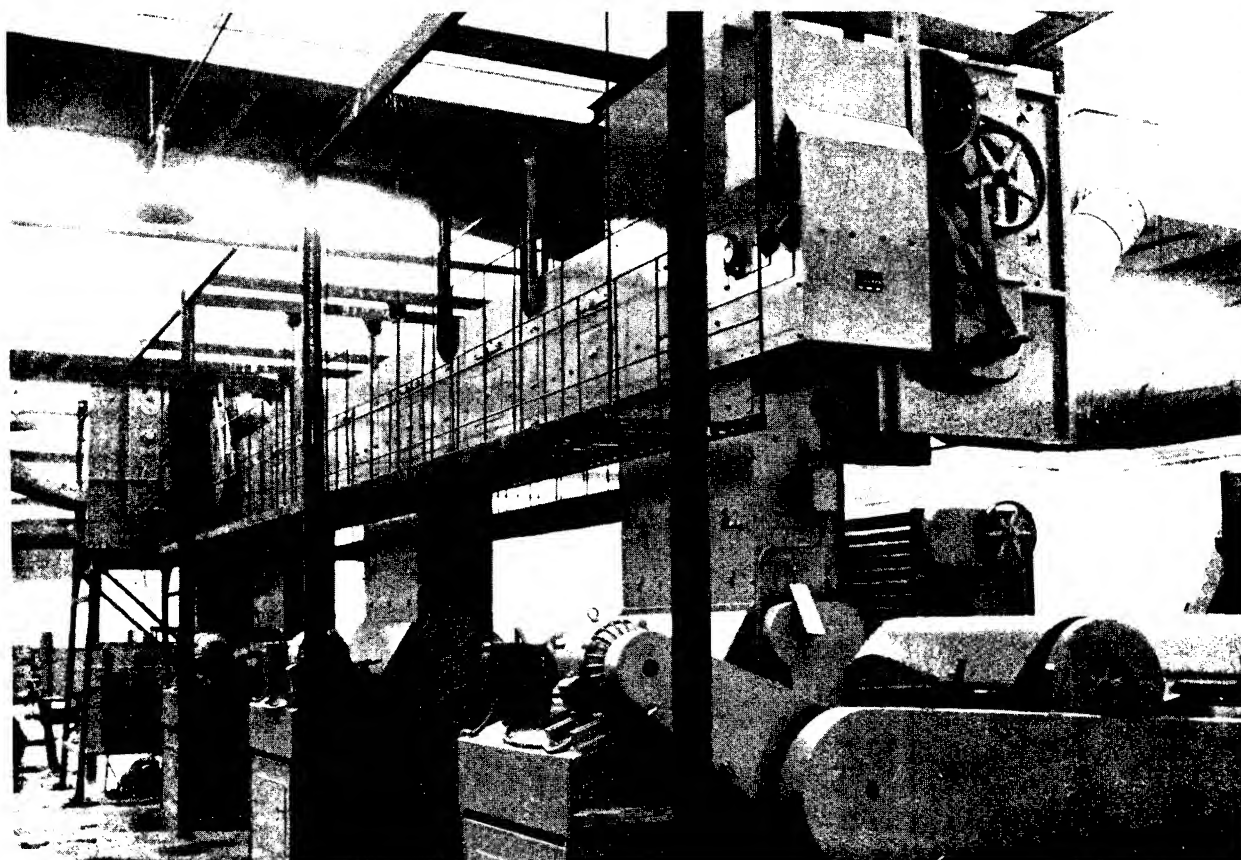


SPECIFICATION:

| | | | | |
|---|-----|-----|-----|--------------------------------|
| 1. Maximum output | ... | ... | ... | 800 kg, hour |
| 2. Overall dimension | ... | ... | ... | L. 1870 × W. 1570 × H. 2015 mm |
| 3. Number of beater discs | ... | ... | ... | 6 pcs. |
| 4. Total number of knives carried on discs. | ... | ... | ... | 34 pcs. |
| 5. Speed of beater | ... | ... | ... | 580; 725 rpm |
| 6. Number of grid bars | ... | ... | ... | 120 pcs. |
| 7. Gauge between grid bars | ... | ... | ... | 3-6.5 mm |
| 8. Internal diameter of Feed Pipe | ... | ... | ... | 230 mm |
| 9. Internal diameter of Delivery Pipe | ... | ... | ... | 320 mm |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1061 型 及 1061A 型 配 棉 器
DISTRIBUTING MACHINE
TYPE 1061 and 1061A

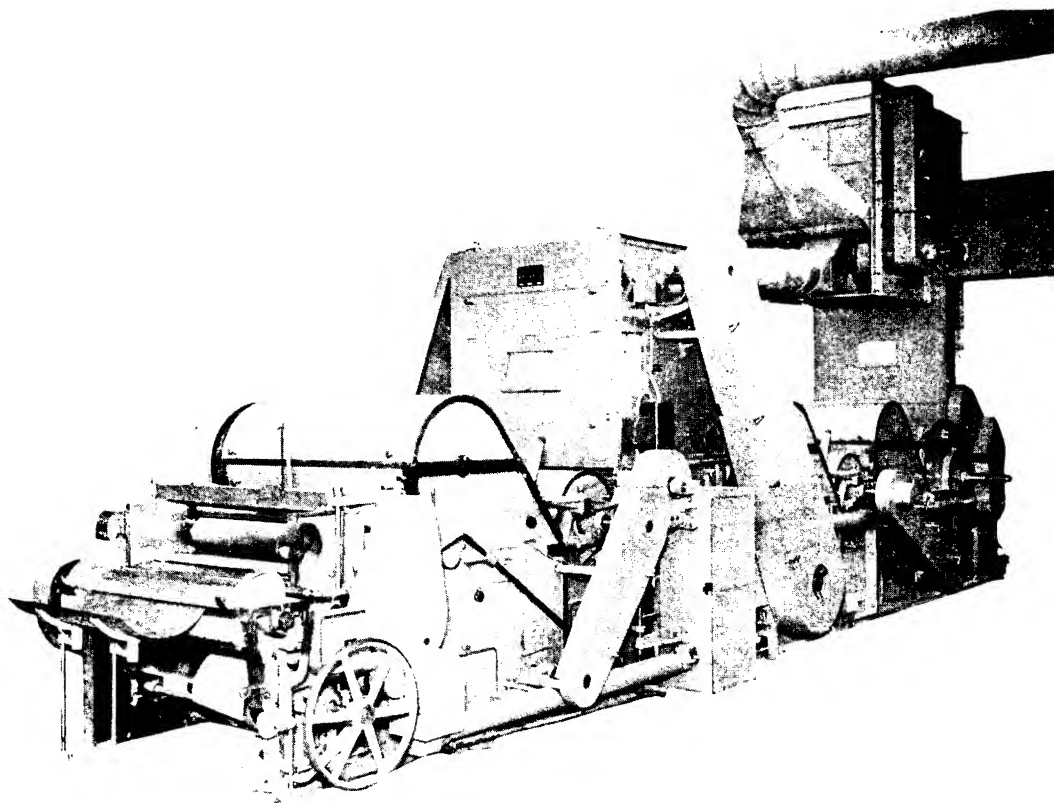


SPECIFICATION:

- | | | | | | |
|--|-----|-----|-----|-----|--|
| 1. Maximum output | ... | ... | ... | ... | 800 kg hour |
| 2. Working width | ... | ... | ... | ... | 555 mm |
| 3. Overall dimension | ... | ... | ... | ... | Length — center distance between first and last delivery openings — 4025 mm Width — 935 mm Height — 3906 mm Height — 3615 mm (for type 1061A) |
| 4. Distance between adjacent delivery openings | ... | ... | ... | ... | 3,000-4,000 mm (to the nearest 100 mm) |
| 5. Speed of Rake Lattice | ... | ... | ... | ... | 43 meters min. |

N.B. For improvement of the machine, we reserve the right to alter either the design or the specification.

1071 型 1071A 型 單程清棉機
DOUBLE BEATER SCUTCHER
TYPE 1071 and 1071A

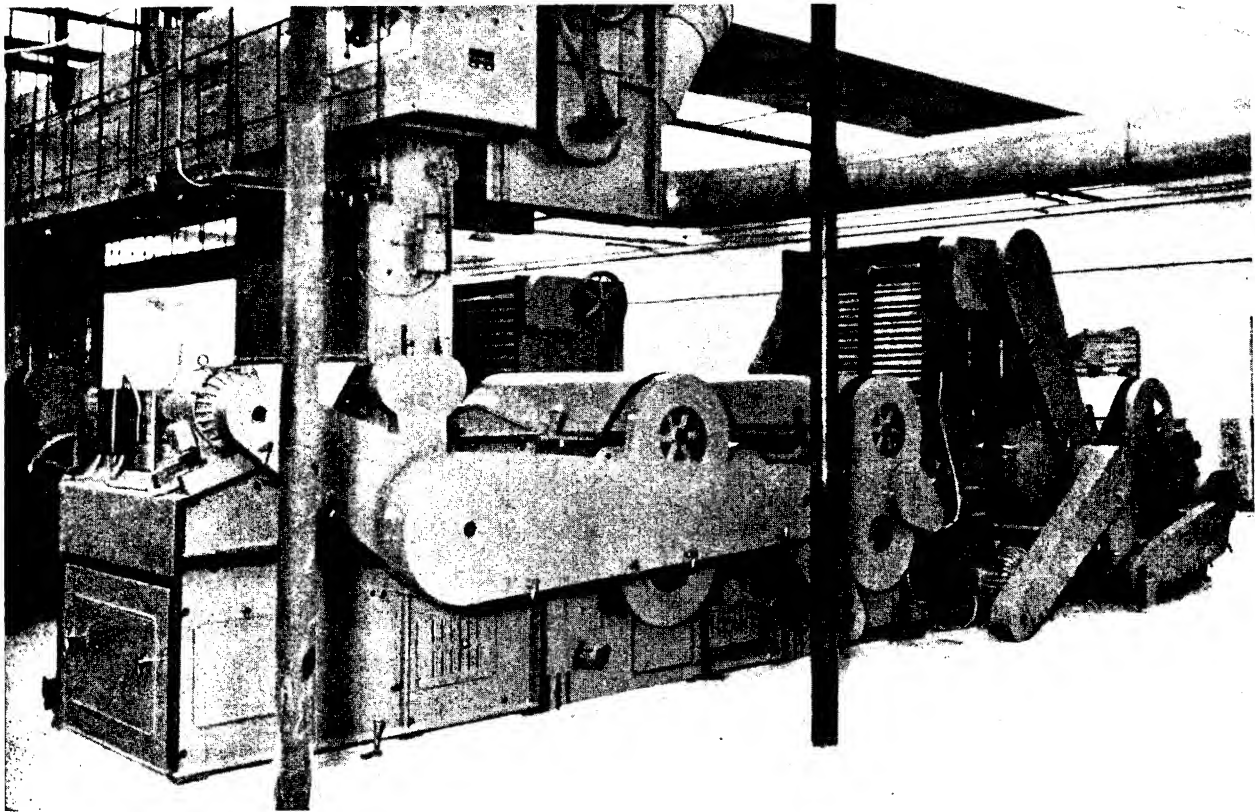


Front View

SPECIFICATION:

1. Max. output 180 kg hour
2. Calculated length of lap 35.21—43.35 metres
3. Working width Type 1071: 1016 mm
Type 1071A: 960 mm
4. Overall dimension L. 8713 × W. 2130 × H. 2515 mm
5. Reserve filling trunk
(over Porcupine Beater)
Height 985 mm
Breadth 1060 mm
Thickness 310—410 mm
6. Reserve filling trunk
(over combing beater)
Height 600 mm
Breadth 1060 mm
Thickness 275—350 mm
7. Diameter of Porcupine Beater ... 610 mm
(19 discs—12 knives each disc)
8. Speed of Porcupine Beater 470—600 rpm
9. Diameter of Three Bladed Beater 406 mm
10. Speed of Three Bladed Beater ... 800—1200 rpm
11. Diameter of Combing Beater ... 406 mm
12. Speed of Combing Beater 800—1200 rpm
13. Diameter of Striker Roller 350 mm
14. Speed of Striker Roller 260 rpm
15. Dimension of fan ϕ 455 mm × 430 mm
16. Speed of Fan 900—1200 rpm
17. Diameter of Dust cage 558 mm
18. Diameter of Lap Roller 230 mm
19. Speed of Lap Roller 8—12 rpm
20. Gauge between Porcupine Beater
and Grid Bars Top 10—14 mm
Back 11.5—15.5 mm
Bottom 13—17 mm
Delivery 14.5—18.5 mm

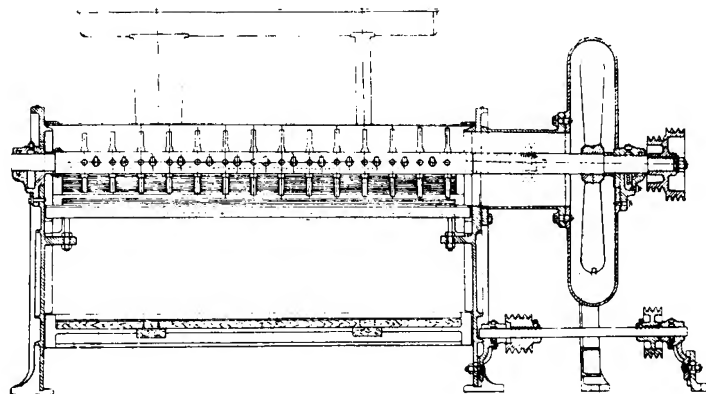
21. Gauge of grid Bars of Porcupine
Beater 4—7 mm
22. Gauge between Grid Bar and
Three Bladed Beater and also
combing beater minimum at feed side 7 mm
minimum at delivery side 19 mm
23. Gauge of Grid Bars of Three Bladed
Beater and Combing Beater ... 3—7.5 mm



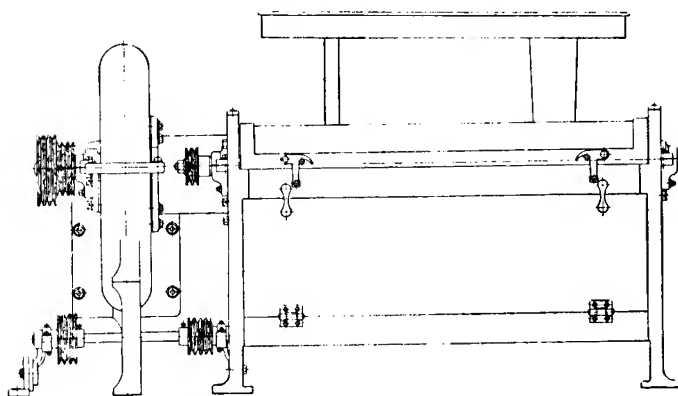
Back View

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

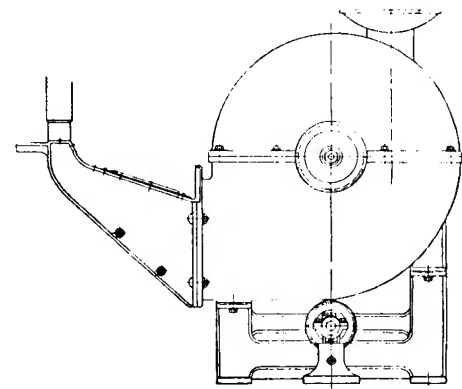
1111 型 皮 鞣 花 機 THREAD EXTRACTOR TYPE 1111



Section View



Front View



Side View

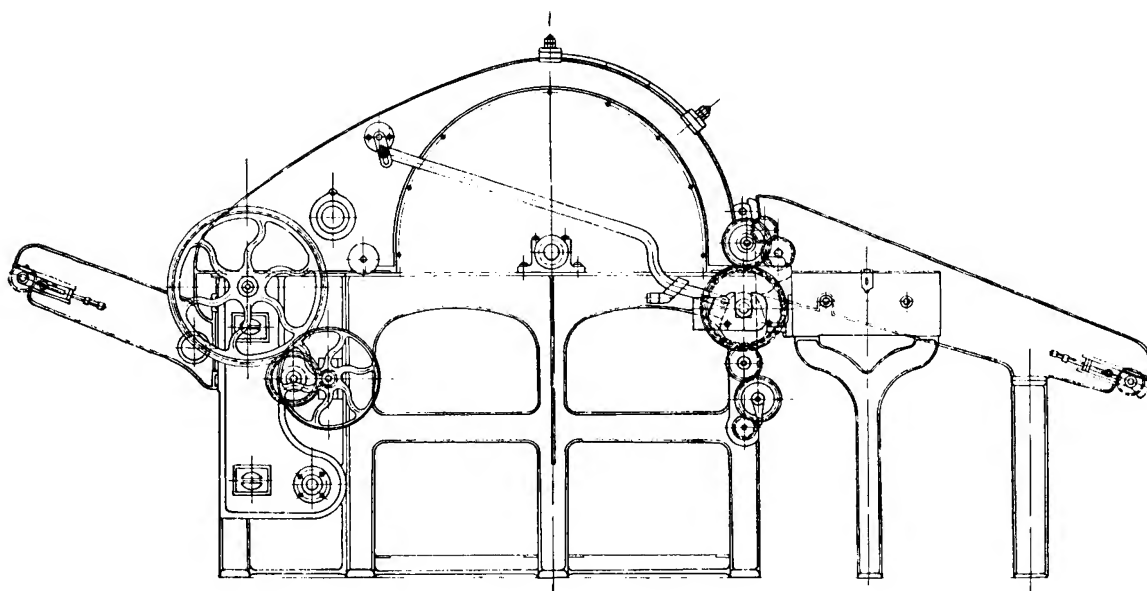
SPECIFICATION:

1. Working width 43"
2. Overall dimension W. $47\frac{1}{8}$ " . L. $71\frac{1}{2}$ " (without motor) . H. $40\frac{3}{4}$ "
3. Diameter of beater Max. $7\frac{1}{4}$ " min. $6\frac{3}{4}$ "
4. Rows of beater 3
5. Number of cross arms fitted on beater-shaft 27 per beater (per row)
6. Speed of beater 1100 rpm
7. Dimension of fan $22\frac{7}{8}$ " dia. . $2\frac{5}{8}$ "
8. Speed of fan 1000 rpm
9. Drive by individual electric motor with V-belts

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1121 型 打 垃 圾 機

WILLOW TYPE 1121



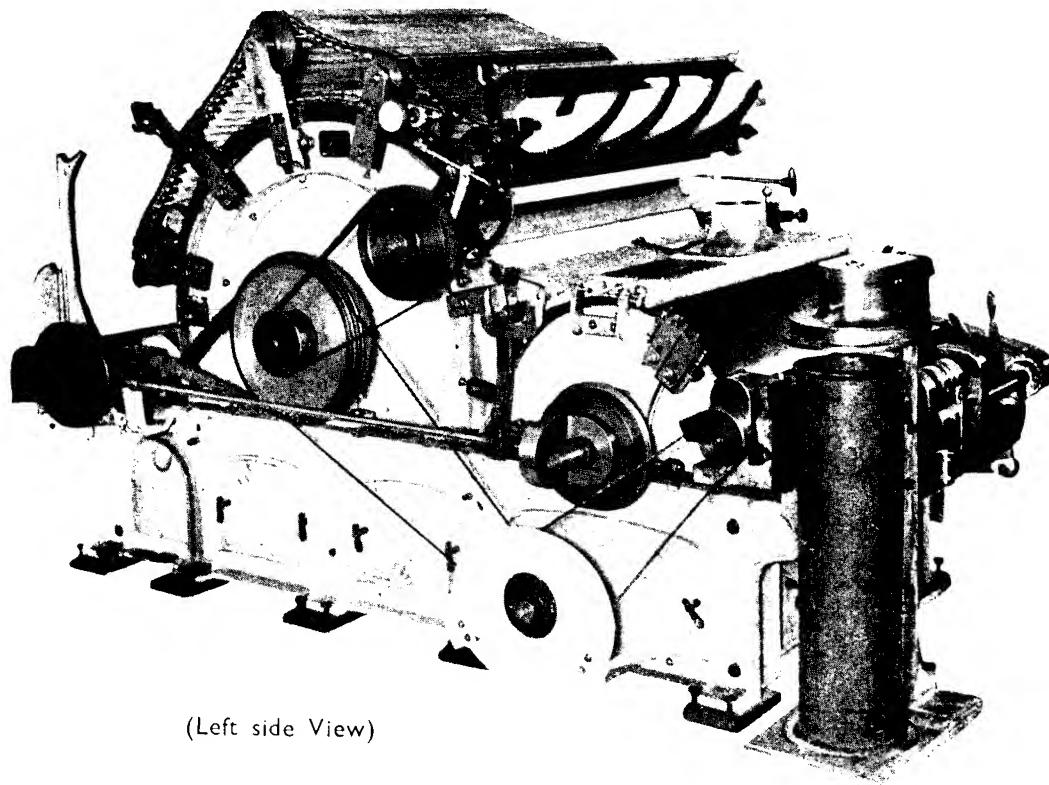
SPECIFICATION:

1. Working width 65"
2. Overall dimension L. 168 $\frac{5}{16}$ " · W. 82 $\frac{1}{8}$ " (without motor) · H. 157 $\frac{1}{8}$ "
3. Speed of feed lattice 31 ft. min.
4. Diameter of Cylinder 51"
5. Speed of Cylinder 330 rpm
6. Dimension of fan 15" dia. · 10 $\frac{5}{8}$ "
7. Speed of fan 1237 rpm
8. Diameter of dust cage 15"
9. Speed of dust cage 8 rpm
10. Speed of delivery lattice 25.1 ft. min.
11. Drive by individual electric motor with V-belts

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1181 型 梳 棉 機

REVOLVING FLAT CARDING ENGINE TYPE 1181

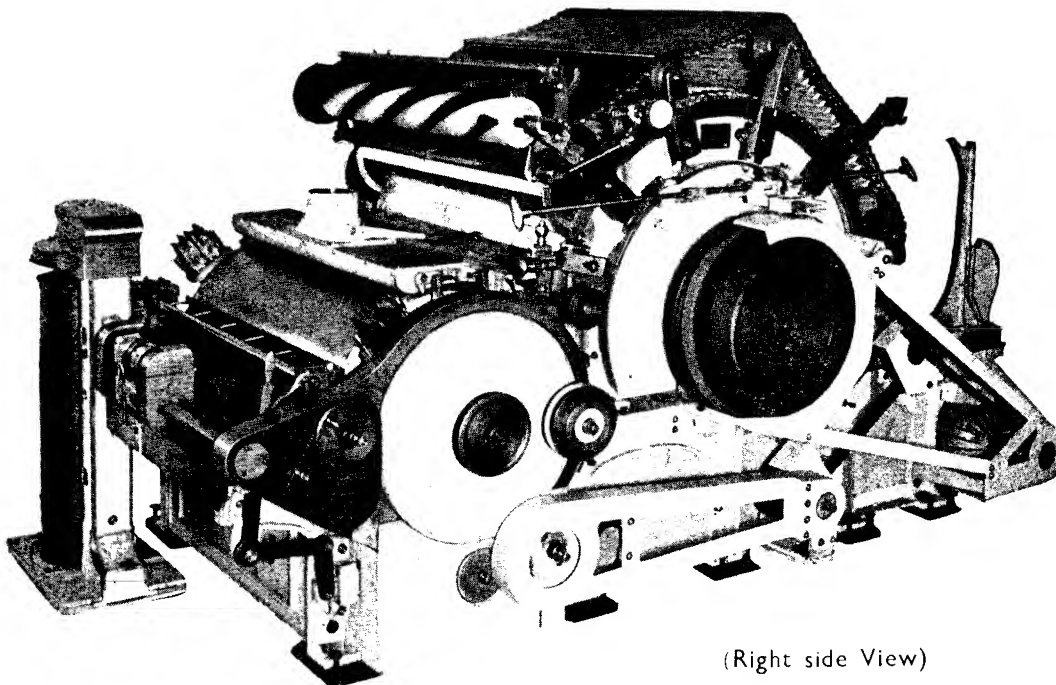


(Left side View)

SPECIFICATION:

1. Type R. hand (facing doffer, find driving pulley at right hand side)
2. Working width of machine 40"
3. Draft range 93-129 times
4. Floor space 67" x 130½"
5. Drive Individual motor, with flat belt
6. Diameter of Lap roller 6"
7. Diameter of feed-roller 2¼"
8. Diameter of Licker-in 9½"

9. Licker-in grooves ... 8 grooves per inch and 8 starts at end
10. Licker-in speed ... 550 rpm
11. Mote knife ... 1 piece
12. Diameter of cylinder ... 50"
13. Speed of cylinder ... 172 rpm
14. Number of flats ... 106 pcs.
15. Number of working flats ... 41 pcs.
16. Flat speed ... 2" per minute
17. Diameter of doffer ... 27"
18. Doffer speed ... 8.3-12 rpm
19. System of stripping ... Hand stripping (type 1181B) Low vacuum stripping (type 1181C)



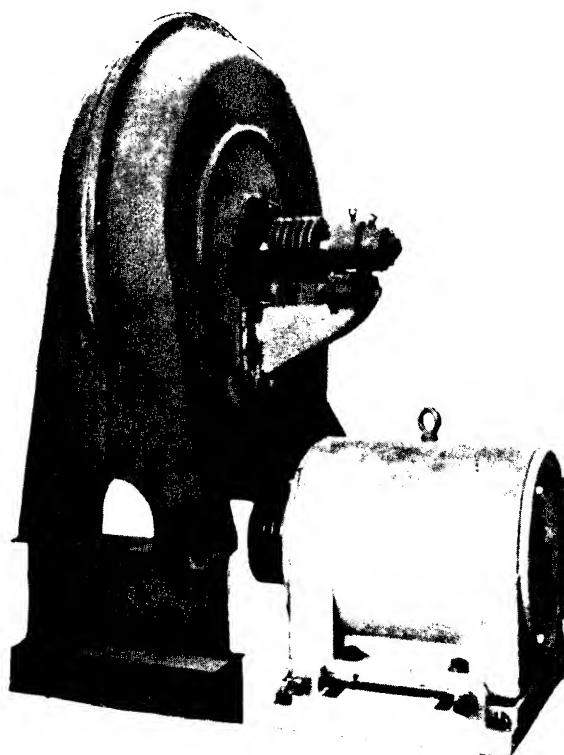
N.B. For improvement of the machine, we reserve the right to alter either the design or the specification.

梳棉機附屬機器

AUXILIARY MACHINES FOR CARDING ENGINE

7201 型 排 氣 風 扇

(I) EXHAUST FAN TYPE 7201



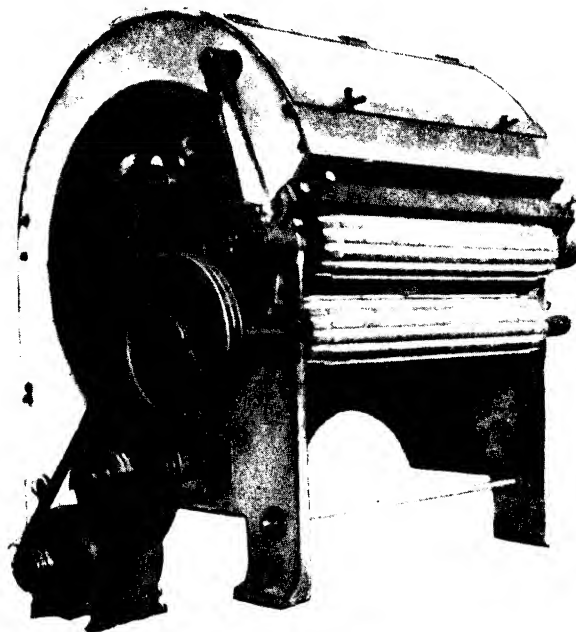
SPECIFICATION:

- | | |
|--|--|
| 1. Capacity | |
| 2. Static pressure | |
| 3. Dimension | L. 48" W. 35 $\frac{3}{4}$ " H. 49 $\frac{3}{8}$ " |
| 4. Diameter of fan propeller | ... 26" |
| 5. Width of fan propeller blade | ... 8 $\frac{3}{8}$ " |
| 6. Speed of fan propeller | 1700 rpm to 2000 rpm |
| 7. Drive | By electric motor 14 KW. 1440 rpm (5 pcs. V-belt B55). |

N.B. - For improvement of the machine, we reserve the right to alter either the design or the specification.

1042 型 集 棉 塵 籠

(II) CONDENSER TYPE 1042



SPECIFICATION:

1. Working width of condenser ... 32"
2. Diameter of Cage 25 $\frac{3}{4}$ "
3. Cage speed... .. 2.9 rpm
4. Drive Individual drive totally enclosed squirrel cage motor, 480 rpm, 4 pcs. A 5I V-belts
5. Overall dimension 62" · 48 $\frac{3}{4}$ " · 49 $\frac{1}{2}$ "

N.B. ---For improvement of the machine, we reserve the right to alter either the design or the specification.

1651 型 抄 鋼 絲 輥

(III) STRIPPING ROLLER TYPE 1651



(A) Application:

To strip off the cotton dust from cylinder and doffer card clothing (when this roller is covered with burnishing fillet then it becomes a burnishing roller).

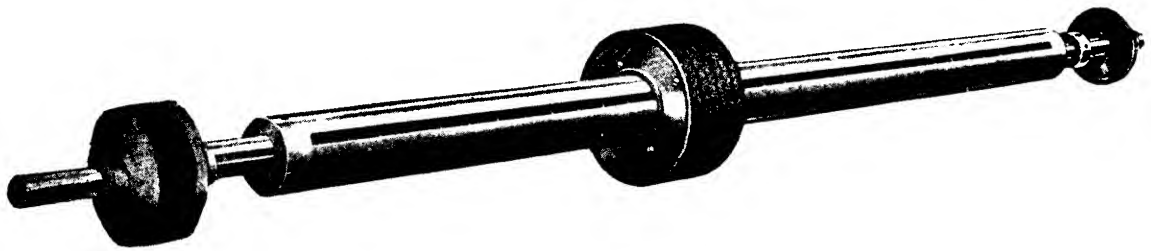
(B) Specification:

1. Suitable for card width 40"
2. Diameter of Roller $5\frac{1}{2}$ " (without fillet)
3. Length of Roller $41\frac{1}{2}$ "
4. Diameter of shaft $1\frac{1}{8}$ "
5. Length of shaft $71\frac{1}{2}$ "
6. Drive By cylinder rope pulley or stripping attachment
7. Pitch diameter of rope pulley ... 6"
8. Speed 465 rpm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1671 型 來 回 磨 輥

(IV) TRAVERSE WHEEL GRINDER TYPE 1671



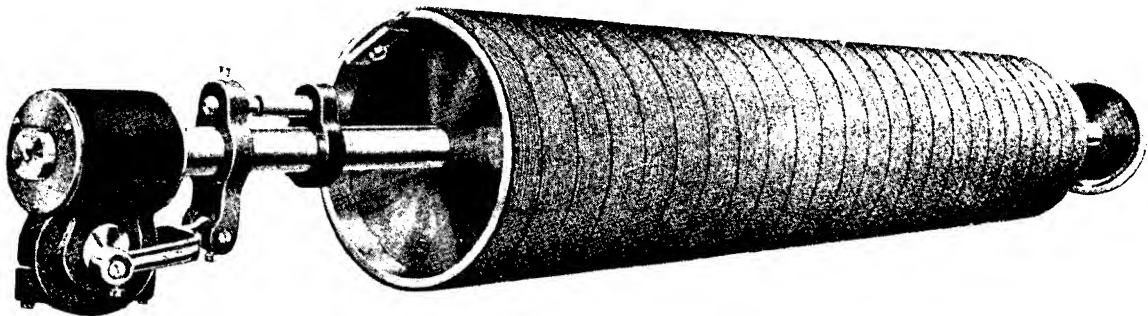
Specification:

1. Suitable for card width ... 40"
2. Diameter of Wheel ... $6\frac{1}{4}$ " (without emery fillet)
3. Thickness of Wheel ... $3\frac{1}{2}$ "
4. Diameter of shaft ... $1\frac{1}{8}$ "
5. Length of shaft ... 67"
6. Traverse distance ... $42\frac{1}{16}$ "
7. Drive ... By cylinder rope pulley
8. Pitch diameter of rope pulley ... $4\frac{1}{2}$ " & 5" each one piece
9. Speed ... 500—550 rpm
10. Traverse motion ... By reversible leading screw & internal gear speed reducer.

N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.

1681 型 長 磨 輥

(V) FULL GRINDING ROLLER TYPE 1681



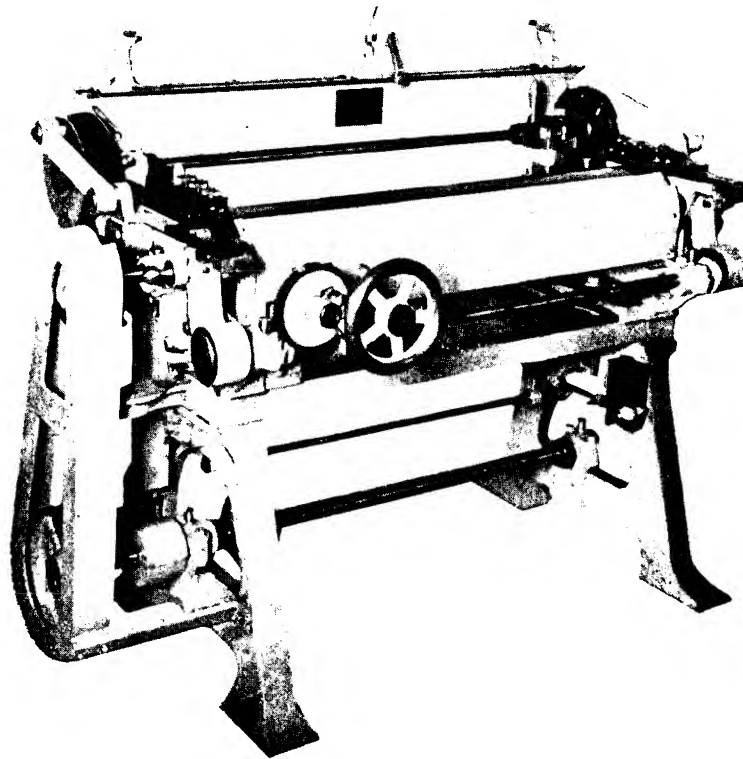
Specification:

1. Suitable for card width 40"
2. Diameter of Roller $6\frac{3}{8}$ " (without emery fillet)
3. Length of Roller on barrel 41"
4. Diameter of shaft $1\frac{1}{8}$ "
5. Total length of shaft 65"
6. Traverse motion by eccentric wheel.
7. Traverse distance $\frac{5}{8}$ "
8. Drive By cylinder rope pulley
9. Pitch diameter of rope pulley ... 6"
10. Speed 510 rpm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification

1691 型 磨 蓋 板 針 布 機

(VI) FLAT SURFACE GRINDING MACHINE TYPE 1691



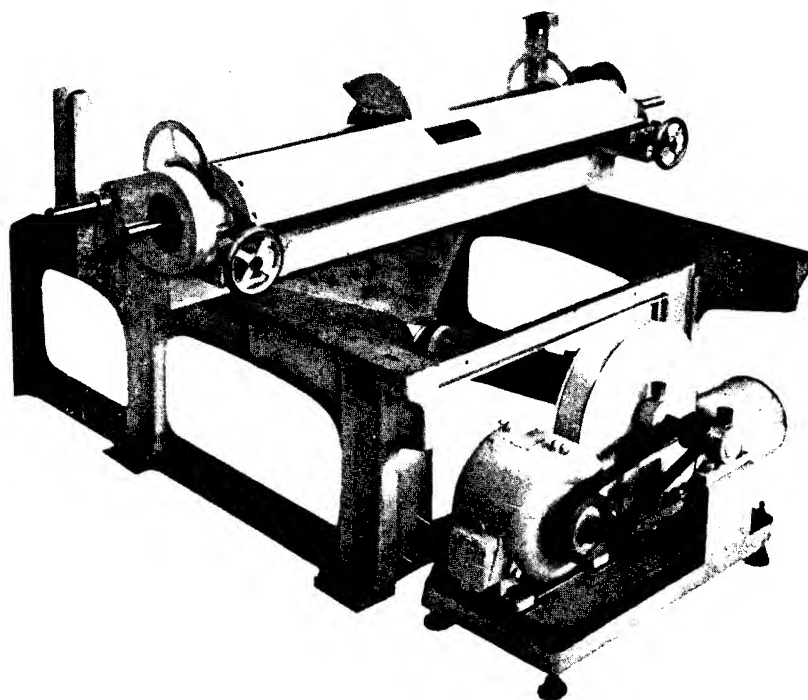
Specification:

1. Suitable for card width 40"
2. Flat end to end tolerance 0.035"
3. Number of flat to be ground each time 3 pcs.
4. Overall dimension L. 66 $\frac{1}{8}$ " . W. 34 $\frac{5}{16}$ " \ H. 47 $\frac{1}{2}$ "
5. Drive By individual motor
6. Pitch diameter of driving belt pulley 5 $\frac{5}{16}$ "
7. Speed of main shaft 600 rpm
8. Diameter of Grinding roller ... 7 $\frac{7}{8}$ " (bare roller)
9. Length of grinding roller 42"
10. Grinding traverse motion by eccentric wheel
11. Traverse distance of grinding roller $\frac{5}{8}$ "
12. Speed 1200 rpm
13. Stop motion automatically stops when grinding is completed
14. Inspecting apparatus... .. Indicator for indication of needle height

N.B.--For improvement of the machine, we reserve the right to alter either the design or the specification.

1701 型 磨 錫 林 道 夫 滾 筒 機

(VII) CYLINDER AND DOFFER GRINDING MACHINE TYPE 1701



SPECIFICATION:

A. Grinding parts

1. Suitable for card width ... 40"
2. Overall dimension ... L. 72 $\frac{1}{2}$ " · W. 18 $\frac{7}{8}$ " · H. 15"
3. Speed of grinding wheel 500 rpm
4. Traverse distance of grinding wheel ... 42 $\frac{1}{8}$ "
5. Drive ... By cylinder through flat belt

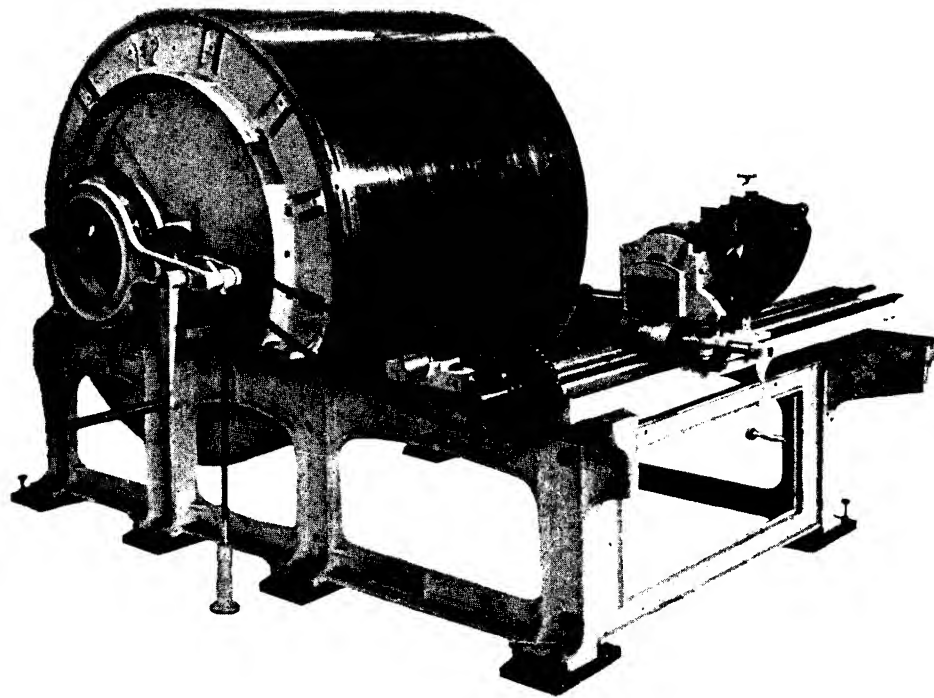
B. Dust extraction Unit

1. Vent inlet ... 3" · 1 $\frac{3}{8}$ " traverse with grinding wheel
2. Diameter of extraction pipe 4"
3. Diameter of fan ... 13"
4. Width of fan blade ... 1 $\frac{3}{4}$ "
5. Dust condenser ... 8" · 11" inside lined with 5 layers of steel screens.
6. Fan driven by individual motor
7. Fan speed ... 1830 rpm

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1711 型 包 錫 林 道 夫 針 布 機

(VIII) CARD MOUNTING MACHINE TYPE 1711



SPECIFICATION:

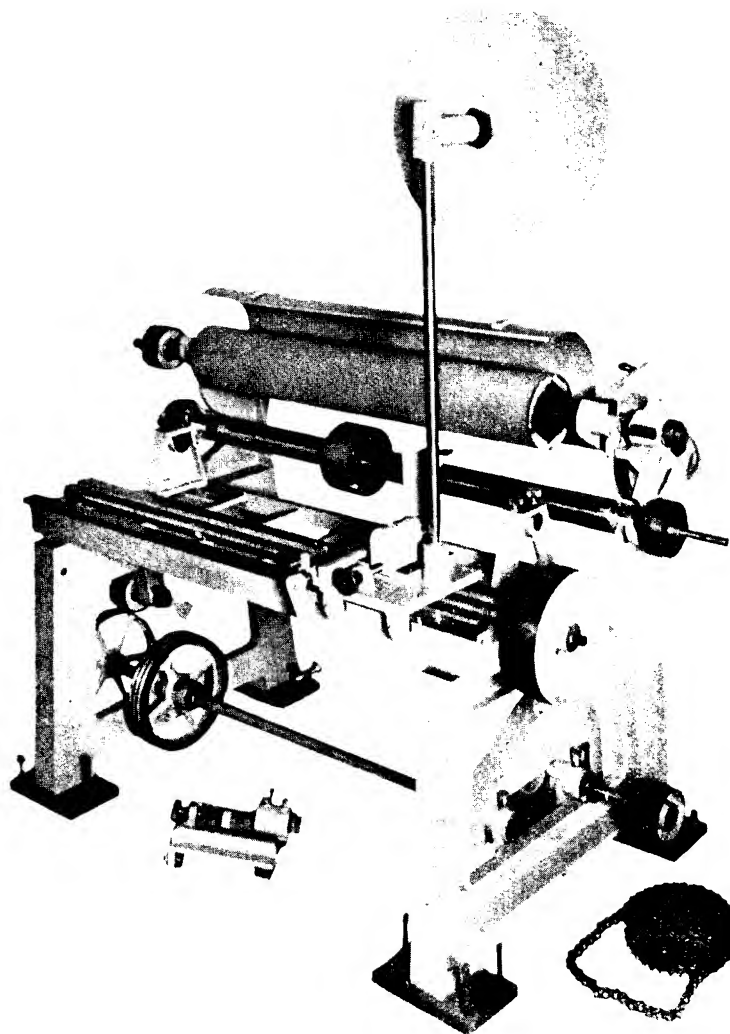
1. Suitable for card width 40"
2. Overall dimension L. $83\frac{3}{4}$ " (total length)
W. $19\frac{1}{2}$ " (Tensile section)
H. $19\frac{1}{2}$ " (Tensile section)
3. Diameter of leading screw $1\frac{1}{2}$ "
4. Length of leading screw 67"
5. Thread pitch of leading screw $\frac{1}{4}$ " (i. e. 4 threads per inch)
6. Maximum tensile strength 500 lbs.
7. Drive Hand operating
8. Length of table $56\frac{3}{4}$ "

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1731 型 刺 輥 包 磨 機

(IX) LICKER-IN ROLLER, GRINDING, DRESSING,
RECOVERING AND BURNISHING MACHINE

TYPE 1731



SPECIFICATION:

1. Suitable for card width ... 40"
2. Overall dimension ... L. $65\frac{5}{16}"$ W. $41\frac{1}{2}"$ H. $56\frac{1}{16}"$
3. Pitch diameter of belt pulley ... $11\frac{1}{16}"$
4. Speed of main shaft ... 300 rpm
5. Speed of Licker-in Roller (Burnish-
ing and grinding) ... 32.8 rpm
6. Speed of Licker-in Roller (mount-
ing and straightening) ... 8.2 rpm
7. Diameter of Traverse grinding
Roller ... $6\frac{1}{8}"$ (Bare Roller)
8. Traverse distance ... $42\frac{13}{16}"$
9. Speed of Traverse grinding Roller 695 rpm
10. Diameter of Burnishing Roller ... $6\frac{1}{2}"$ (Bare Roller)
11. Traverse distance of Burnishing
Roller ... $\frac{5}{8}"$
12. Speed of Burnishing Roller ... 695 rpm
13. Straightener ... With 8 blades (angles to be self-adjustable)
14. Table length of Licker-in wire
mounting attachment ... 54"
15. Diameter of leading screw ... $1\frac{1}{2}"$
16. Thread pitch of leading screw ... $\frac{1}{4}"$ (i. e. 4 threads per inch)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1722 型 包 蓋 板 針 布 機
(X) FLAT CLIPPING MACHINE TYPE 1722

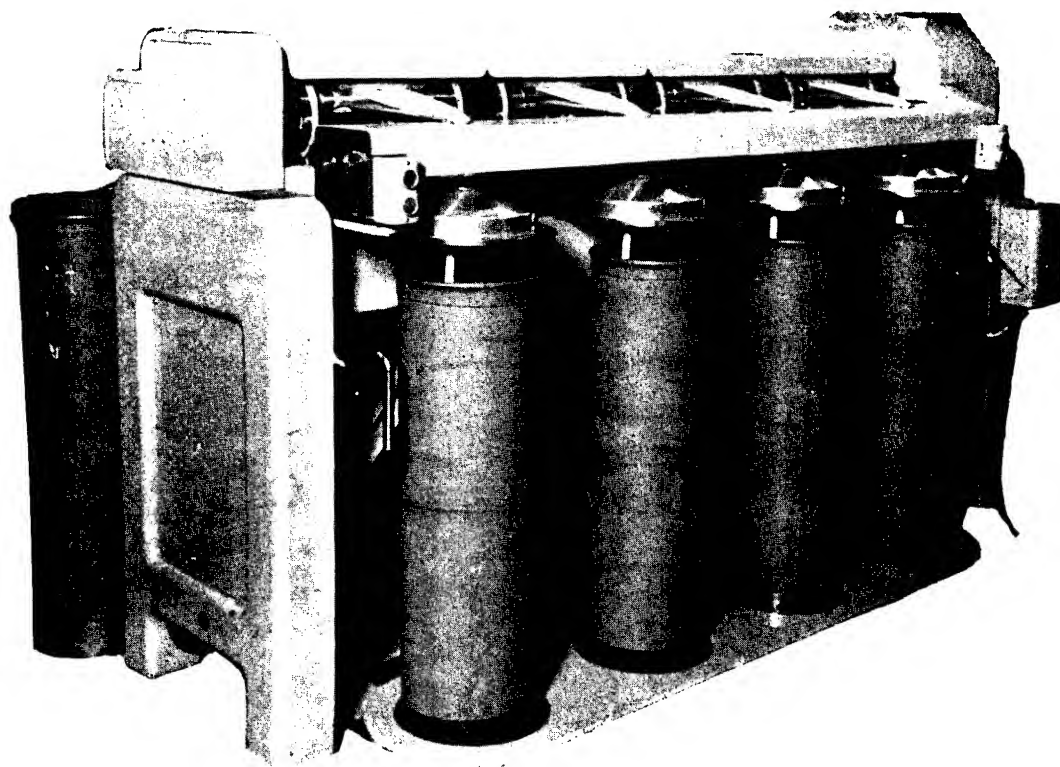
SPECIFICATION :

| | |
|--|--|
| 1. Suitable for card width | 40" |
| 2. Number of pieces clipped in one operation | 1 piece |
| 3. Overall dimension | L. 2025 mm. W. 1290 mm. H. 1450 mm. |
| 4. Drive | By individual motor |
| 5. Clamping operation | Hand operated |
| 6. Drive of traversing head | Mechanically operated with friction clutch and automatic stop motion |
| 7. Pitch diameter of main stop pulley | 440 mm. |
| 8. Speed of main shaft | 207 rpm. |
| 9. Width of pressure blade | 127 mm. |
| 10. Number of pressure blades | 16 pcs. on both sides |
| 11. Source of pressure on pressure blades | By weight with buffer spring |
| 12. Weight | 9 kg. each |
| 13. Number of weights | 32 on both sides (2 for each pressure blade) |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1242 型 併 條 機

DRAWING FRAME TYPE 1242

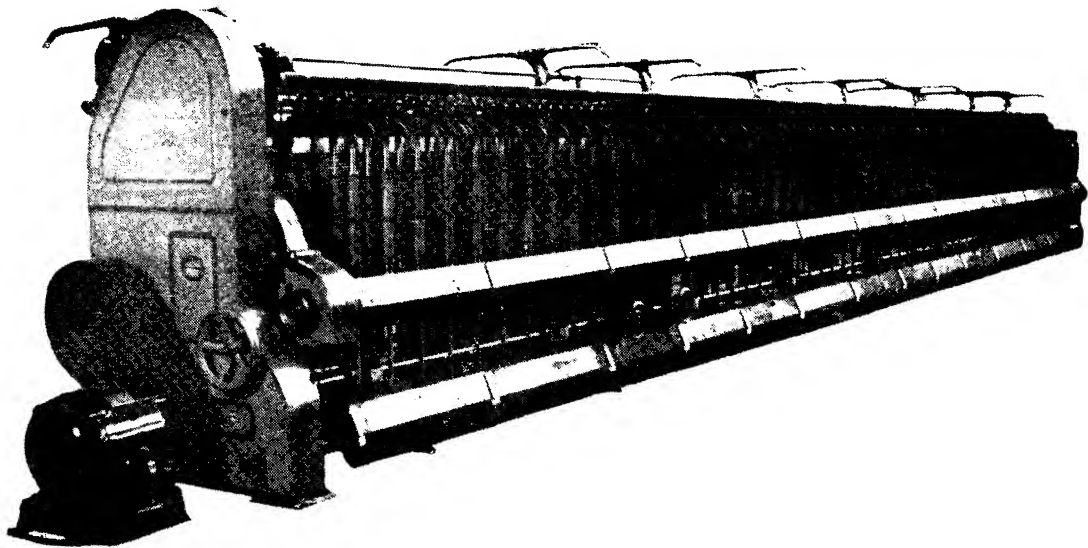


SPECIFICATION:

- | | | | | |
|---|-----|-----|-----|--|
| 1. Number of deliveries | ... | ... | ... | 3 or 4 |
| 2. Staff | ... | ... | ... | 450 mm |
| 3. Slivers per delivery | ... | ... | ... | 6 |
| 4. Roller diameter | ... | ... | ... | Type 1242A: 35—28—35—35 mm Type 1242B: 28—25—28—28 mm |
| 5. Speed of front roller | ... | ... | ... | 298—381 rpm |
| 6. Draft | ... | ... | ... | 5.5—6.346 times |
| 7. Drive | ... | ... | ... | individual motor, front roller driven by flat belt 3, 4 h.p., 960 rpm |
| 8. Control | ... | ... | ... | by push button switch |
| 9. Automatic stop motion | ... | ... | ... | electric system |
| 10. Sliver can | ... | ... | ... | 254 × 914 mm |
| 11. Floor space (including sliver cans) | ... | ... | ... | 3 deliveries, 1,850 1,625 mm 4 deliveries, 2,300 1,625 mm |

N.B.— For improvement of the machine, we reserve the right to alter either the design or the specification

1251 型 單 程 二 道 粗 紗 機
SIMPLEX INTERMEDIATE FLY FRAME
TYPE 1251A



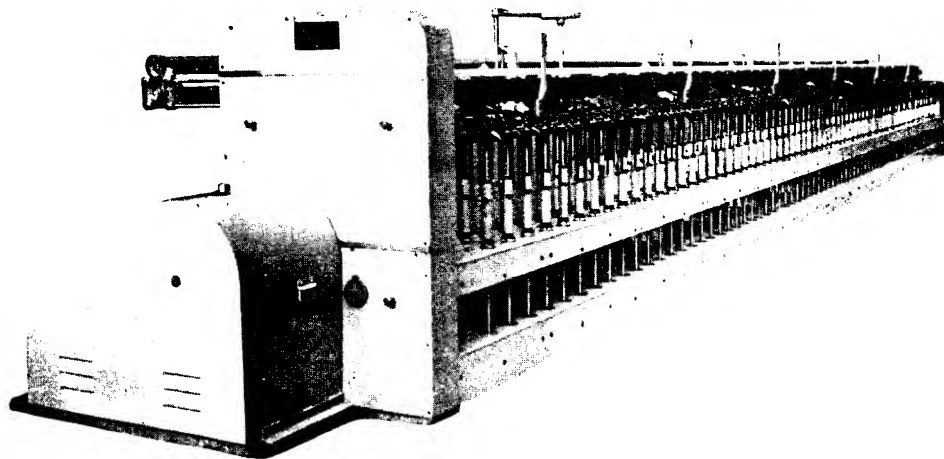
SPECIFICATION:

| | | | |
|-----|------------------------------|-----|---|
| 1. | Number of spindles per frame | ... | 124, 130 spindles |
| 2. | Spindle gauge | ... | 6.6" |
| 3. | Number of spindles per box | ... | 6 |
| 4. | Counts of roving spun | ... | 2-4 counts (metric counts) |
| 5. | Size of full bobbin | ... | $\phi 4\frac{7}{8}"$ - 10" |
| 6. | Spindle speed | ... | 600, 670, 700, 725, 750 rpm |
| 7. | System of draft | ... | Graduated draft |
| 8. | Roller diameter | ... | $1\frac{3}{16}"$, $\frac{7}{8}"$, $1\frac{1}{8}"$, $1\frac{1}{16}"$ |
| 9. | Diameter of bare top roller | ... | $\frac{3}{16}"$ |
| 10. | Draft | ... | 7.5-10 times |
| 11. | Drive | ... | Individual motor, 4 H.P., 960 rpm. with V-belts |
| 12. | Height of roller beam | ... | 42" |
| 13. | Size of sliver can | ... | 10" - 36" |
| 14. | Floor space | ... | 130 spindles: 39' 6" - 5' 7 $\frac{1}{4}"$ 124 spindles: 37' 10" - 5' 7 $\frac{1}{4}"$ |

N.B.:—For improvement of the machine, we reserve the right to alter either the design or the specification.

1252型(1252A型) 單程三道粗紗機

HIGH DRAFT ROVING FRAME
TYPE 1252 (1252A)



SPECIFICATION:

- | | | |
|-------------------------------------|-----|--|
| 1. Number of spindles per frame | ... | 144 |
| 2. Spindle gauge | ... | 152 mm |
| 3. Number of spindles per box | ... | 6 |
| 4. Suitable for cotton staple | ... | 24-34 mm |
| 5. Counts of roving spun | ... | 4.5-10 counts |
| 6. Size of full bobbin | ... | 92 mm 198 mm |
| 7. Spindle speed | ... | 950, 1000, 1050, 1100, 1150, 1200 rpm |
| 8. Drafting arrangement | ... | Five roller 2-zone drafting system, (for type 1252A, four roller 2-zone) |
| 9. Roller diameter | ... | 28, 22, 25, 25, 28 mm (for type 1252A, 32, 28, 32, 32 mm) |
| 10. Diameter of Bare Top Roller | ... | 22 mm (For type 1252A, 25 mm) |
| 11. Draft | ... | 11-30 times |
| 12. Sliver rollers | ... | two rows of sliver rollers, with telescopic adjustment. |
| 13. Drive | ... | Individual motor, 5 H.P., 960 rpm. with V-belts |
| 14. Height of roller beam | ... | 900 mm |
| 15. Size of sliver can | ... | 254 mm 914 mm |
| 16. Floor space (incl. sliver cans) | ... | 1914 12083 mm |
| 17. Type | ... | Left or right hand |

N.B. --For improvement of the machine, we reserve the right to alter either the design or the specification.

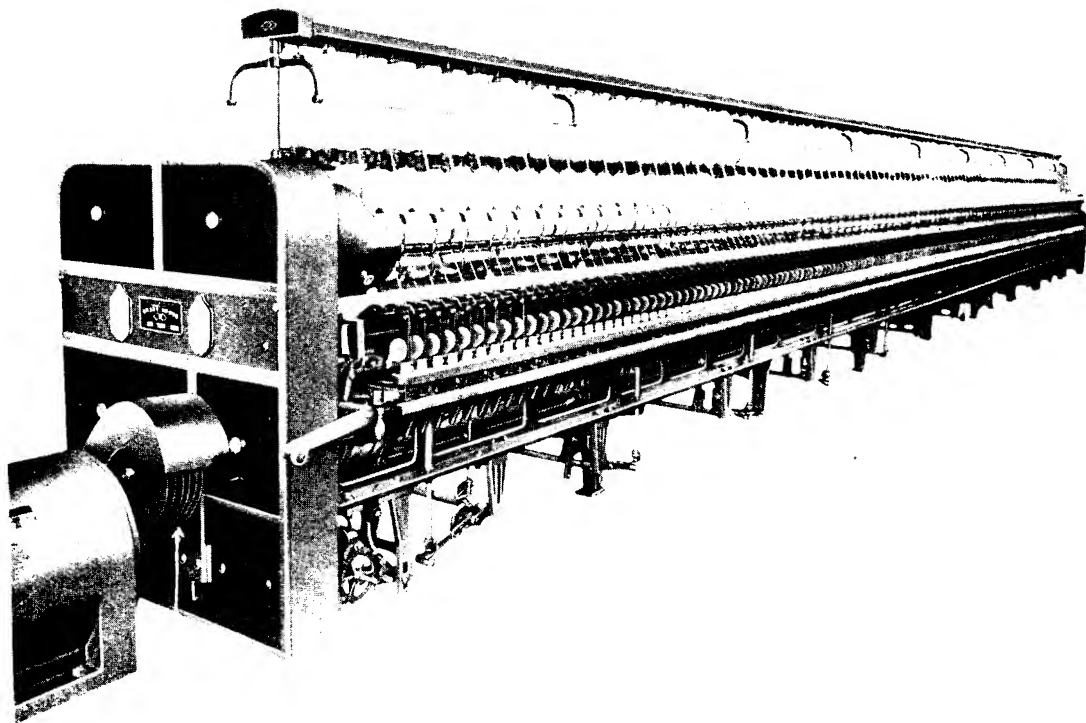
1291型 經 紗 機 及 1301型 緯 紗 機

WARP SPINNING FRAME

TYPE 1291

WEFT SPINNING FRAME

TYPE 1301



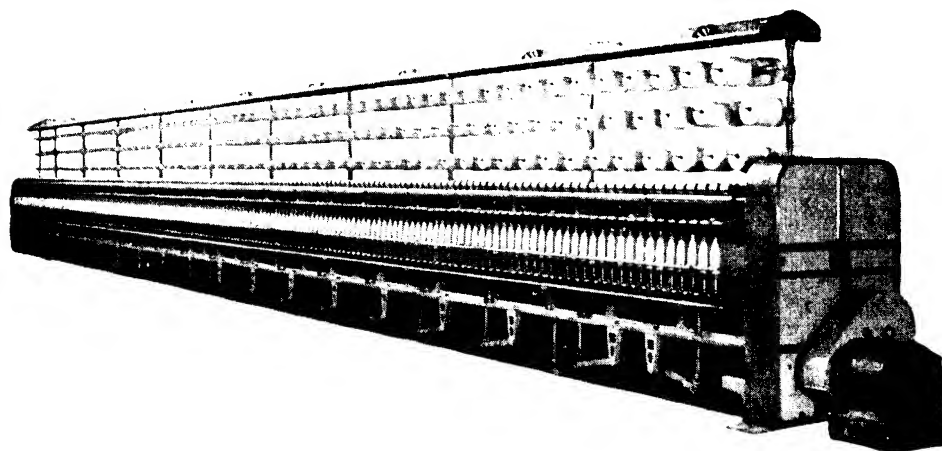
SPECIFICATION:

1. Number of spindles ... 400 spindles for warp frame
420 spindles for weft frame
2. Spindle gauge ... $2\frac{5}{8}$ " for warp frame
 $2\frac{1}{2}$ " for weft frame
3. Number of spindles per box ... 8 spindles (6 spindles per last 3 boxes for weft frame)
4. Counts of yarn spun ... 20-42 (English system)
34-71 (metric system)
5. Spindle speed ... 10000-13000
6. Drafting arrangement ... double apron high drafting system, 14-20 times
7. Roller diameter ... $\frac{7}{8}$ "
8. Lift ... 6"
9. Ring diameter ... $1\frac{1}{2}$ ", $1\frac{5}{8}$ " for warp
 $1\frac{3}{8}$ " for weft
10. Broken thread aspirator ... Suction fan driven by tin roller, air exhausted through main duct
11. Drive ... by individual pipe ventilated motor, 8/12 H.P., 960, 1440 rpm with V-belts
12. Floor space ... 49'1" x 3'3"

N.B.: For improvement of the machine, we reserve the right to alter either the design or the specification.

1391 型 撚 線 機

TWISTING FRAME TYPE 1391



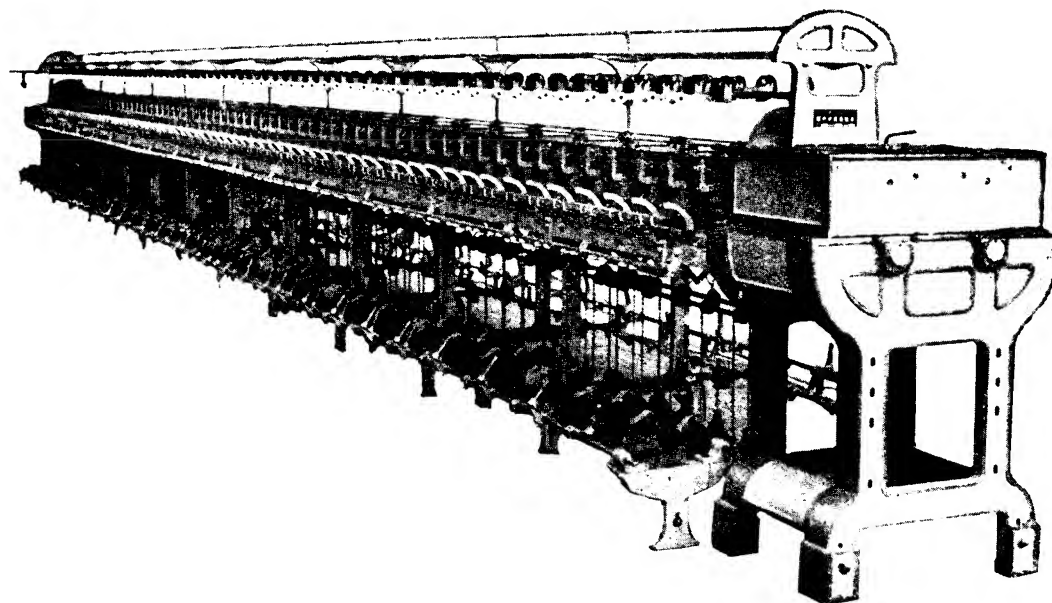
SPECIFICATION:

| | | |
|--------------------------------------|--------|--|
| 1. Number of spindles | ... .. | 380, 360, 340, 320, 300 |
| 2. Spindle gauge | ... .. | 75 mm |
| 3. Number of spindles per staff | ... .. | 8 |
| 4. Dry or wet twisting | ... .. | wet twisting |
| 5. Twist counts | ... .. | 54 ^s 2, 71 ^s 2 |
| 6. Lift | ... .. | 180 mm |
| 7. Traverse | ... .. | semi-cylindrical winding 125 mm cop-winding 55 mm |
| 8. Building speed ratio | ... .. | semi-cylindrical winding 1:1 cop-winding 3:1 |
| 9. Spindle speed | ... .. | 7270-8470 rpm |
| 10. Spindle wharve diameter | ... .. | 25 mm |
| 11. Tin roller diameter | ... .. | 254 mm |
| 12. Type of ring | ... .. | flat, inner dia. 50 mm |
| 13. Roller diameter | ... .. | 45 mm |
| 14. Type of creel | ... .. | triple diagonal, flat cone, maximum dia. 160 mm |
| 15. Drive | ... .. | individual motor, 10 h.p., 1440 rpm, with V-belts. |
| 16. Height from floor to roller beam | ... .. | 865 mm |
| 17. Total height | ... .. | 1640 mm |
| 18. Width of frame | ... .. | 826 mm |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1382 型 併 紗 機

DOUBLING WINDER TYPE 1382

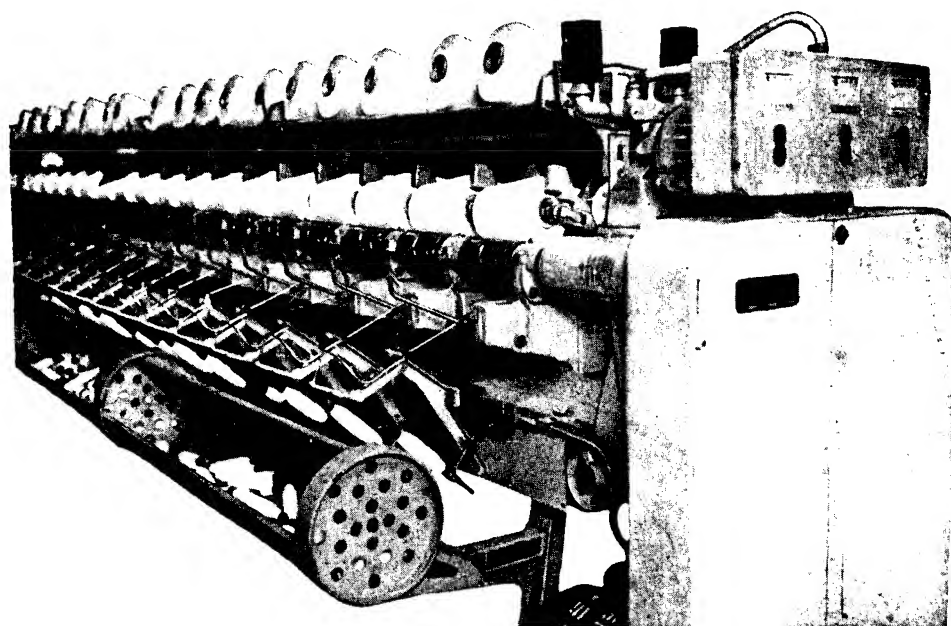


I. Specification :—

- | | |
|---|--|
| 1. Type | Quick traverse motion |
| 2. Number of drums per machine ... | 120 140 160 |
| 3. Number of ends | 2 |
| 4. Surface speed of drums | 120 metres min. (402 rpm.) |
| 5. Distance between drums' centres | 177.8 mm. |
| 6. Size of drums | φ 95.2 mm - L. 139.7 mm |
| 7. Size of cheese | φ 165 mm - L. 130 mm |
| 8. Shape of bobbin | Straight type |
| 9. Drive | Drum shaft driven by individual motor and V-belts |
| 10. Builder | One on each side, traverse 130.2 mm., driven by drum shafts through differential gears. |
| 11. Pitch diameter of drum shaft pulley | φ 342.9 mm |
| 12. Automatic stop motion... .. | Drop needle type, individual brake motion for each drum. Speed of guide roller shaft 190 rpm. |
| 13. Cone bobbin peg | Two for each bobbin, and with adjustable creel. |
| 14. Machine height | (a) up to drum centre line 981 mm. (b) total height 1435 mm. |

N.B. For improvement of the machine, we reserve the right to alter either the design or the specification.

1332 型 槽 筒 式 絡 筒 機
HIGH-SPEED CONE WINDER
TYPE 1332

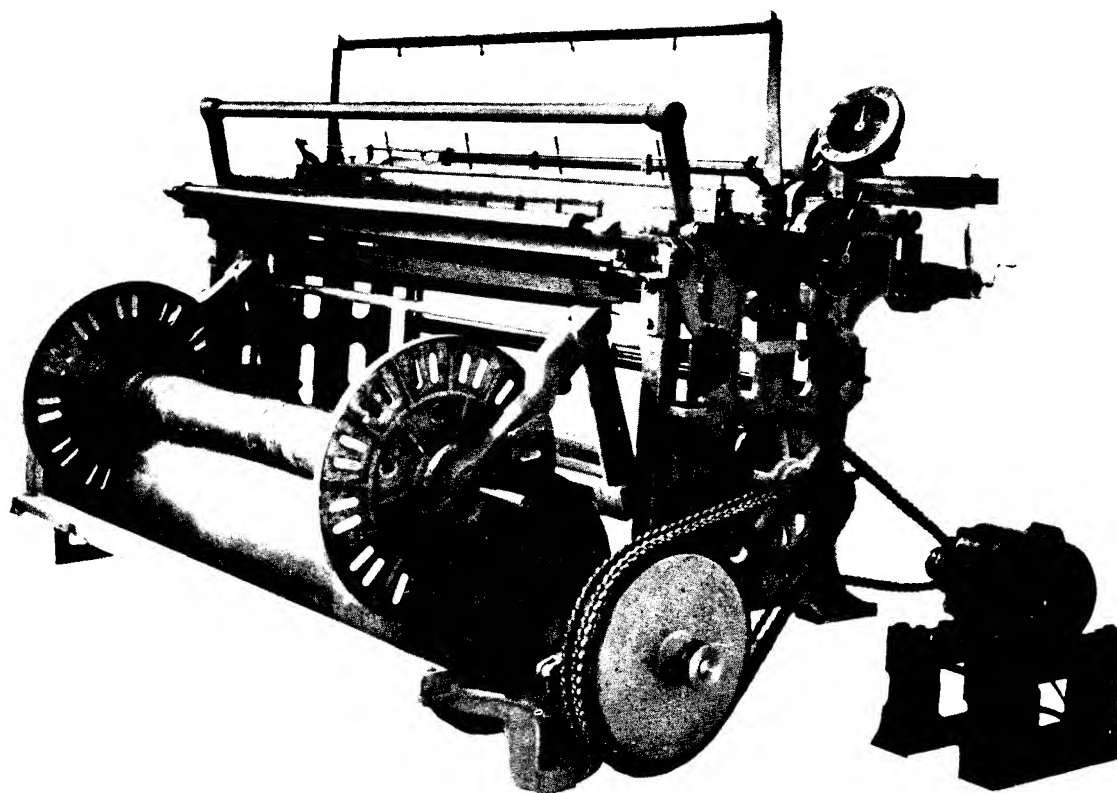


SPECIFICATION:

1. Type... .. Grooved drum type
2. Number of spindles per machine 60, 80, 100 or 120 (The standard type is of 100 spindles. The following notes, if not indicated clearly, refer to the 100-spindle type)
3. Winding gauge 152 mm
4. Drum diameter 76.5 mm
 Speed of drum 3,010 rpm (max. speed)
 Material of drum Made of bakelite. Type A (for winding cotton yarn only)
5. Winding Speed 690 meters min. (max. speed)
6. Size of full package Cone Bobbin: Inclination angle, 6°
 Base of cone 200 mm ϕ , 152 mm long
 (largest base of cone may reach 220 mm ϕ)
7. Drive Drums on each side are driven by an individual motor with V-belts (i.e. by main drive motor). Controlling mechanism is driven by an individual motor and gears (i.e. by Pilot Motor)
8. Bobbin holder For yarn bobbins of Warp Spinning Frame Type 1291 or thread bobbins of Twisting Frame Type 1391.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1452 型 整 經 機
WARPING MACHINE
TYPE 1452

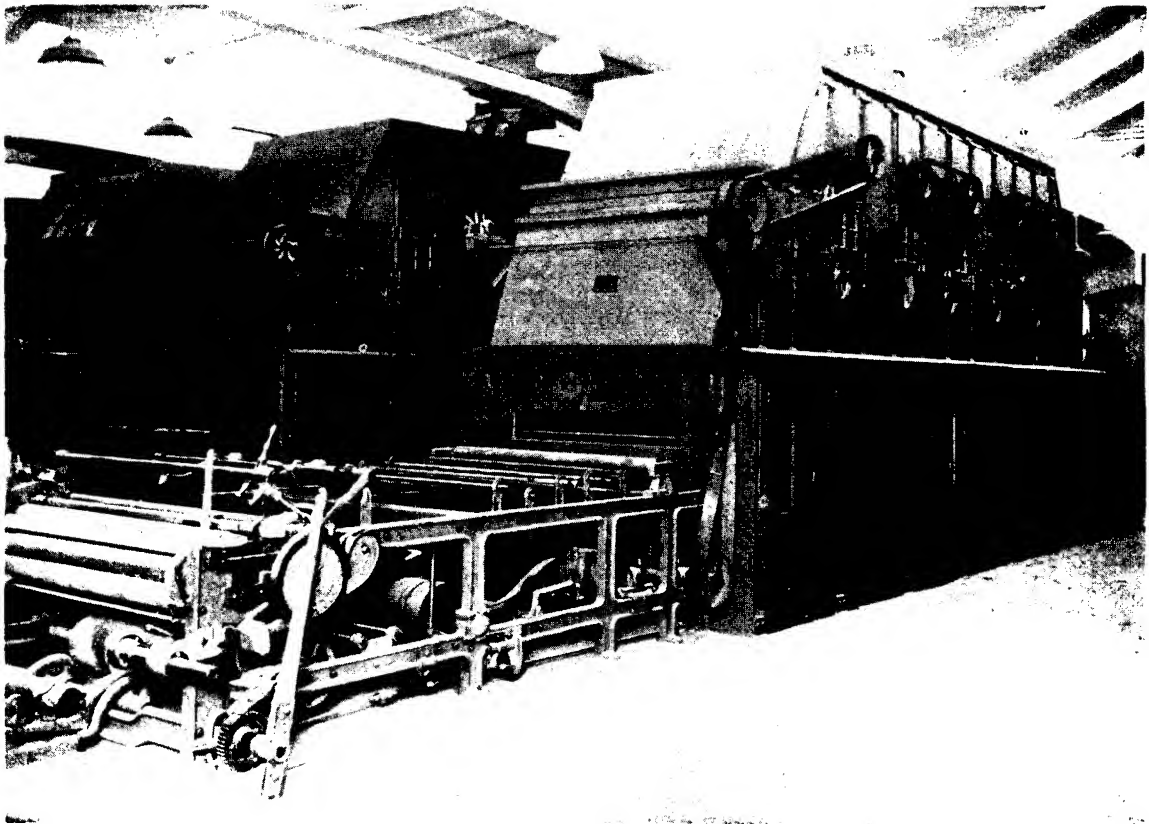


SPECIFICATION:

1. Roller diameter 508.5 mm.
length 1378 mm.
2. Speed of winding yarn 300, 320 meters minute
3. Number of ends
Suitable for bobbin creel type
1461, Maximum 510 ends.
4. Drive Friction disc type
5. Brake attachment Brake lining
6. Height 1057.5 mm
7. Back reed Top shedding motion with adjustable gauge
between the reed wires.
8. Front reed Expandable
9. Put-on and take-off attachment
of warp beam Hand operating, worm wheel type.
10. Warp beam weighting attachment Weights: one at right side and one at left
side (each piece ... 18 kg.)
11. Warp beam anti-shaking attachment Friction type
12. Stop motion Full beam stop motion:
metric indicator control.
End break stop motion:
drop wire type.
Temporary stop motion:
push button at both left and right sides
of the Frame.
13. Drop roller and reversing motion None.

*N.B.—For improvement of the machine, we reserve the
right to alter either the design or the specification.*

1491 型 漿 紗 機
SIZING MACHINE
TYPE 1491



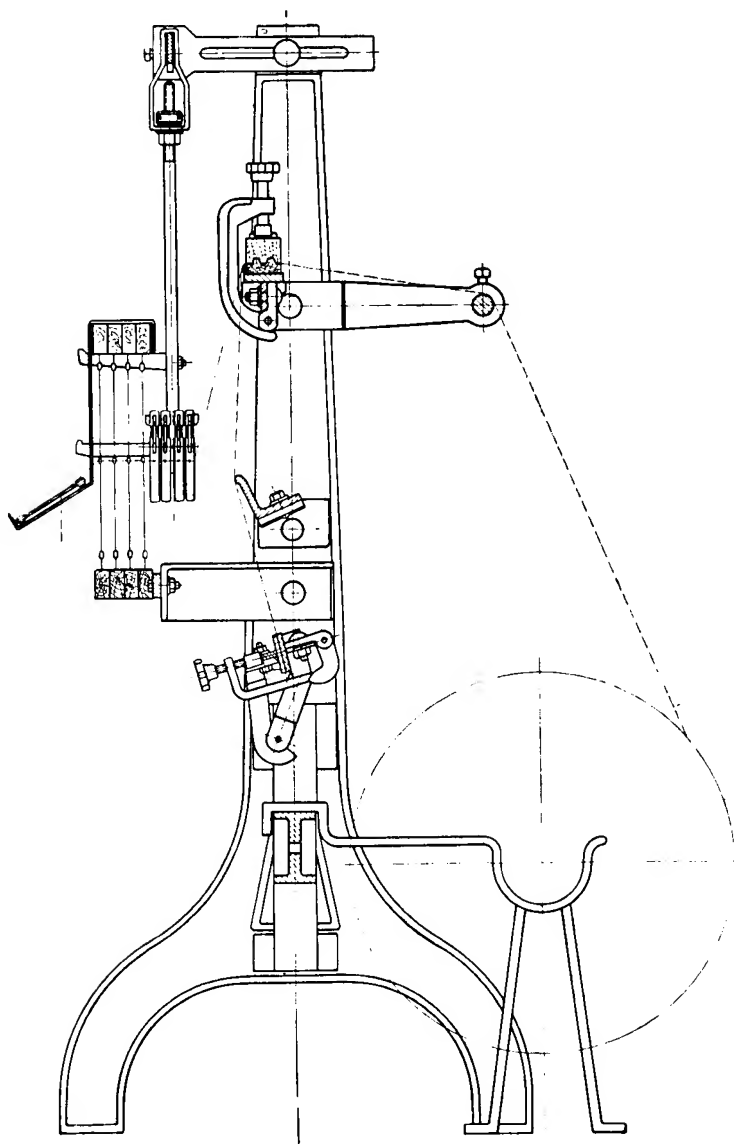
SPECIFICATION:

1. Type hot air
2. Creel inclined in row for 9 or 6 beams.
3. Speed of sizing
 - High speed* 20.5—32 meters min. pitch diameter of motor pulley 195.58 mm.
24.5—35.5 meters min. pitch diameter of motor pulley 220.98 mm
 - Low speed* 1.9 or 2.2 meters min. pitch diameter of motor pulley 195.58
2.1 or 2.5 meters min. pitch diameter of motor pulley 220.98 mm
4. Drive
 - High speed* driven by cone, individual motor with V-belt adjusted by hand wheel
 - Low speed* driven by rope pulley
 - Winding on motion driven by friction pulley
 - Exhaust fan individual motor with V-belt
5. Inner width of Weaver's Beam insertable Max. 1143 mm
6. Inner diameter of Beaming Shell of Beam Shaft 114.3 mm
7. Diameter of Draw Roller 228.6 mm
8. Expansion Comb adjustable
9. Measuring Device
 - Diameter of measuring roller ... 114.59 mm
 - Length indicator Hitchon's type
 - One revolution of pointer represents 2.5 meters
10. Stamping Device complete set
11. Material of drying chamber ... Inner wall: 21 gauge sheet iron
Outside wall: red pine
with heat insulating material between
 - Radiation piping 3" B. I. Pipe with fins of ϕ 152.4 mm installed in four layers totalling 118 pcs., complete with steam hop for starting, and reducing valve for stopping.
 - Diameter of cooling fan 924 mm. in 11 stages.

- | | | | | | |
|----------------------------------|-----|-----|-----|-----|---|
| 12. Sizing Trough | ... | ... | ... | ... | Double Squeezing Roller type. Size: 1251mm × 1683mm with copper lining |
| Diameter of Squeezing Roller | ... | ... | ... | ... | 152.4 mm |
| Weight of Squeezing Roller | ... | ... | ... | ... | Approx. 136 kg. each |
| Diameter of copper sizing roller | ... | ... | ... | ... | 228.6 mm |
| Diameter of Immersion roller | ... | ... | ... | ... | 225.8 mm |
| 13. Circulation Pump | ... | ... | ... | ... | gear type, driven by side shaft. |
| 14. Boiling Pan | ... | ... | ... | ... | approx. capacity 105 litres copper-lined. |
| 15. Floor space | ... | ... | ... | ... | |
| For Beam Flange | ... | ... | ... | ... | φ710 mm warping machine type 1452 |
| 9 Beam Sizing machine | ... | ... | ... | ... | 21.6 × 2.8 meters |
| 6 Beam Sizing machine | ... | ... | ... | ... | 19.4 × 2.8 meters |
| 16. Height | ... | ... | ... | ... | |
| (1) Up to top of Drying Chamber | ... | ... | ... | ... | 3844 mm |
| (2) Up to top of exhaust fan | ... | ... | ... | ... | 4488 mm |

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

150I 型 單 人 穿 箔 架
DRAWING-IN FRAME TYPE 150I



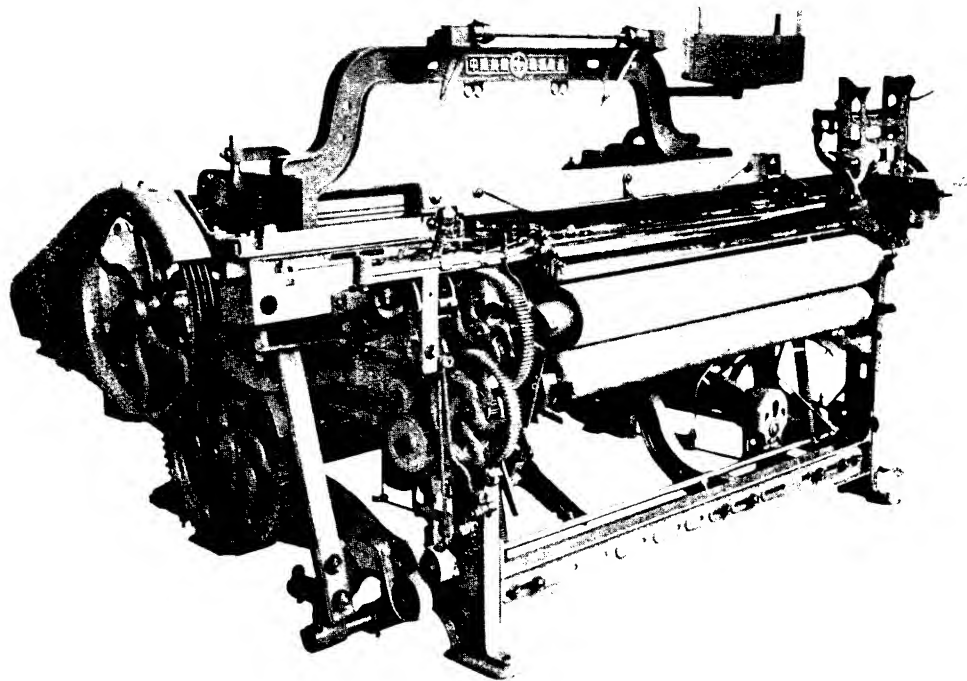
Side View of Drawing-in Frame Type 150I

Specification:

1. Type Single operator type
2. Maximum width allowance of warp 1320 mm.
3. Maximum diameter allowance of Weaver's Beam 600 mm.
4. Maximum diameter allowance of Weaver's Beam shaft sleeves ... 111 mm.
5. Number of harness that can be hung 4 pcs. (Max. thickness 19 mm per piece)
6. Number of rows of droppers ... 4 rows
7. Maximum height allowance of reed 118 mm.
8. Reacher-in attachment This attachment is not provided and cannot be installed on the machine
9. Machine height 1460 mm.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1511 型 織 機
AUTOMATIC LOOM
TYPE 1511



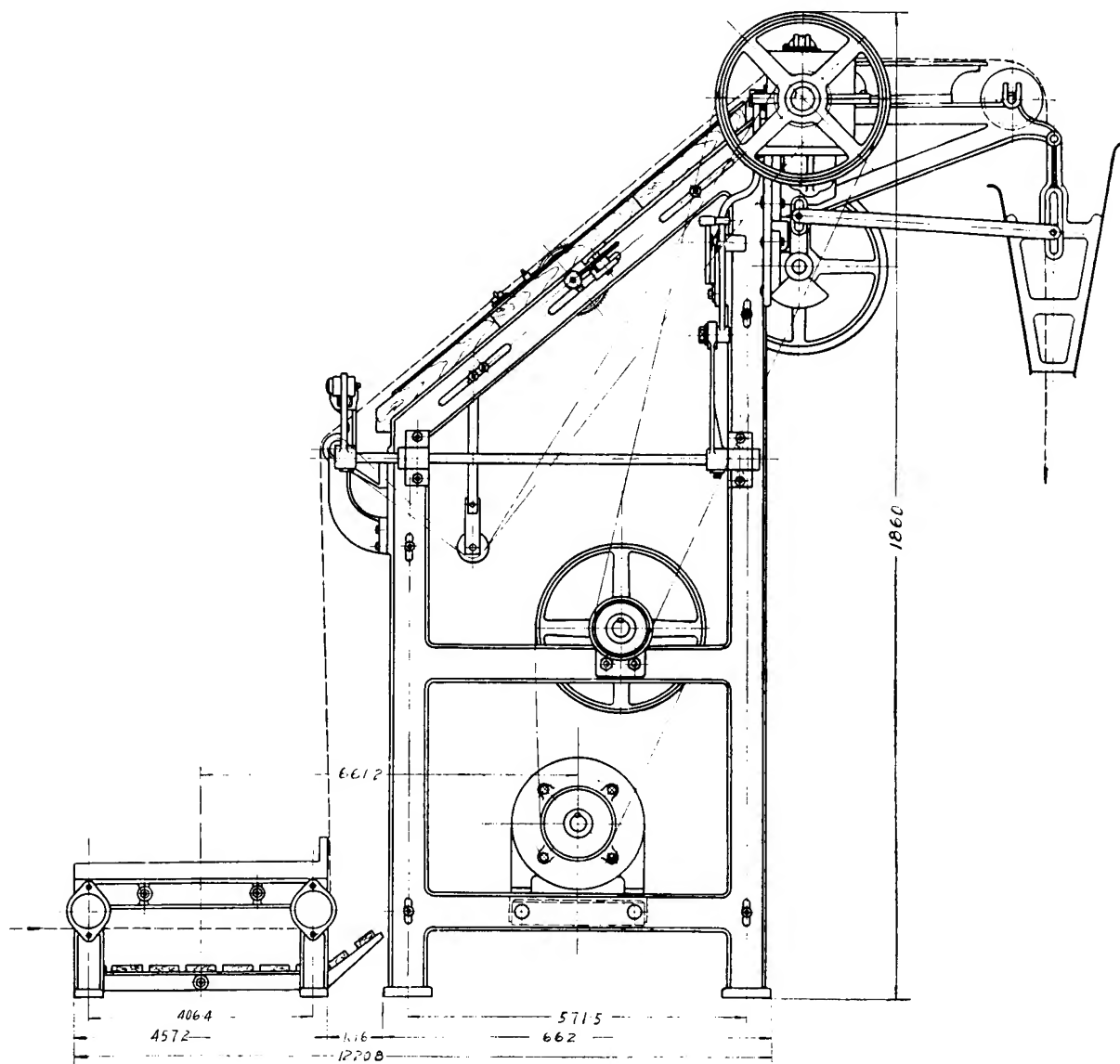
SPECIFICATION:

1. Type ... Under pick, non-stop shuttle changing
2. Hand ... Left or right hand
3. Reed space ... 1117 mm. (44")
4. Cloth width ... 965 mm. (38")
5. Speed ... 195 picks min.
6. Let-off motion... positive
7. Yarn beam ... Flange Dia. 495.3 mm (19½")
Maximum distance between flanges: 1117 mm
8. Warp stop motion... Mechanical system, 4 lines of dropper bars
9. Shedding motion ... Dobby up to 16 shafts, tappet up to 5 leaves
10. Slay motion ... Radius of crank shaft—70 mm
11. Picking motion... With weft breakage stop motion, loose reed attachment and shuttle-flying guard
12. Shuttle changing ... Magazine for 10 shuttles of 343 mm with safety device for shuttle changing, weft feeler of non-shuttle stop device and weft cutter.

Attachment:
Miss pick preventer if required
13. Temples and take-up motions ... Temple of wood rollers, and with cloth feeler; with intermittent taking-up motion, cloth roller for 2 pieces of cloths

N.B.:—For improvement of the machine, we reserve the right to alter either the design or the specification.

1521 型 驗 布 機
CLOTH INSPECTING TABLE
TYPE 1521

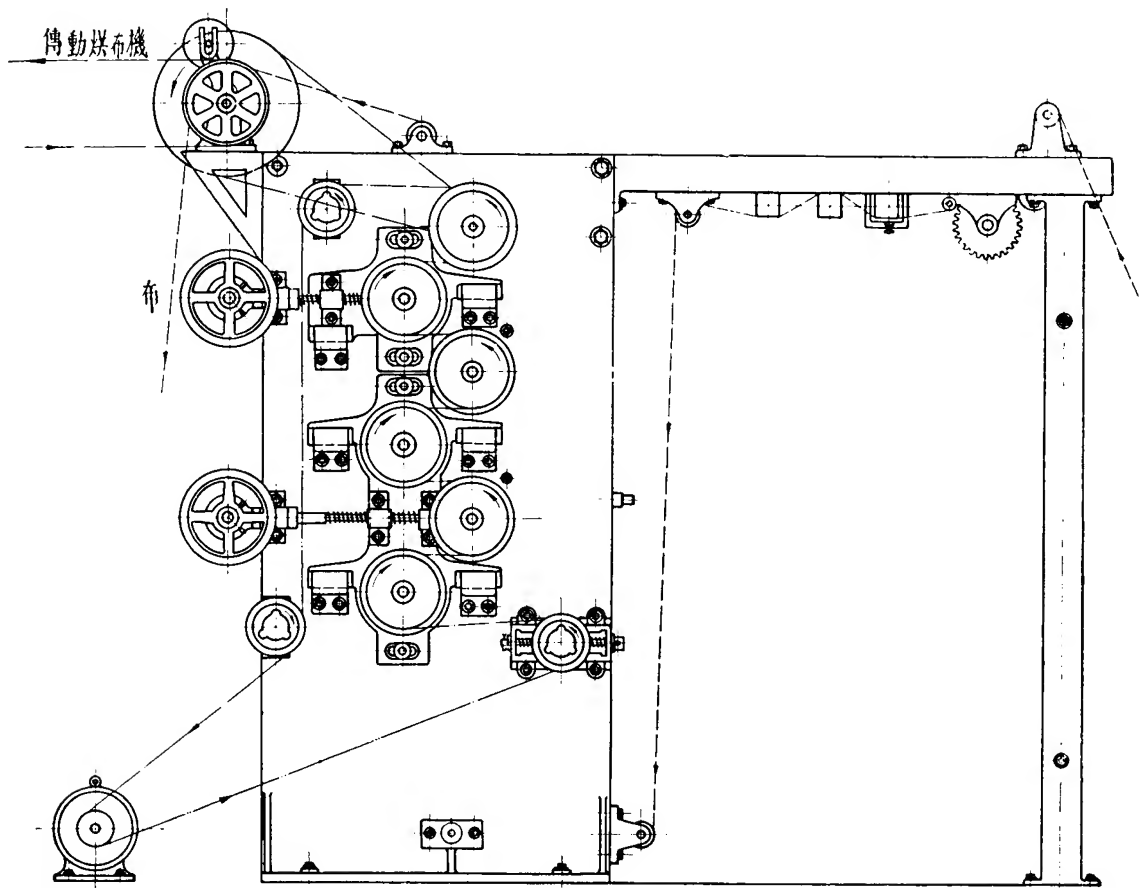


SPECIFICATION:

1. Type 45° inclined table
2. Working width Max. 1060 mm
3. Rate of inspection 20 meters min. to
25 meters min.
4. Height 1860 mm
5. Drive The wooden roller of the main shaft is individually driven by an electric motor. The pressure of the hard rubber roller on the wooden roller moves the cloth forward and backward.
6. Control The main shaft is furnished by a gear box controlled by a hand lever on the machine, facilitating forward, backward motion and stop.
7. Working surface of table 1490 x 910 mm. On the top of the table there are a white-frosted glass plate and a black one. The table is provided with a measuring ruler of 1 meter in length.
8. Length measuring unit The measuring unit is furnished with a measuring wheel, each revolution of pointer indicates 40 meters.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1531 型 刷 布 機
BRUSHING MACHINE
TYPE 1531



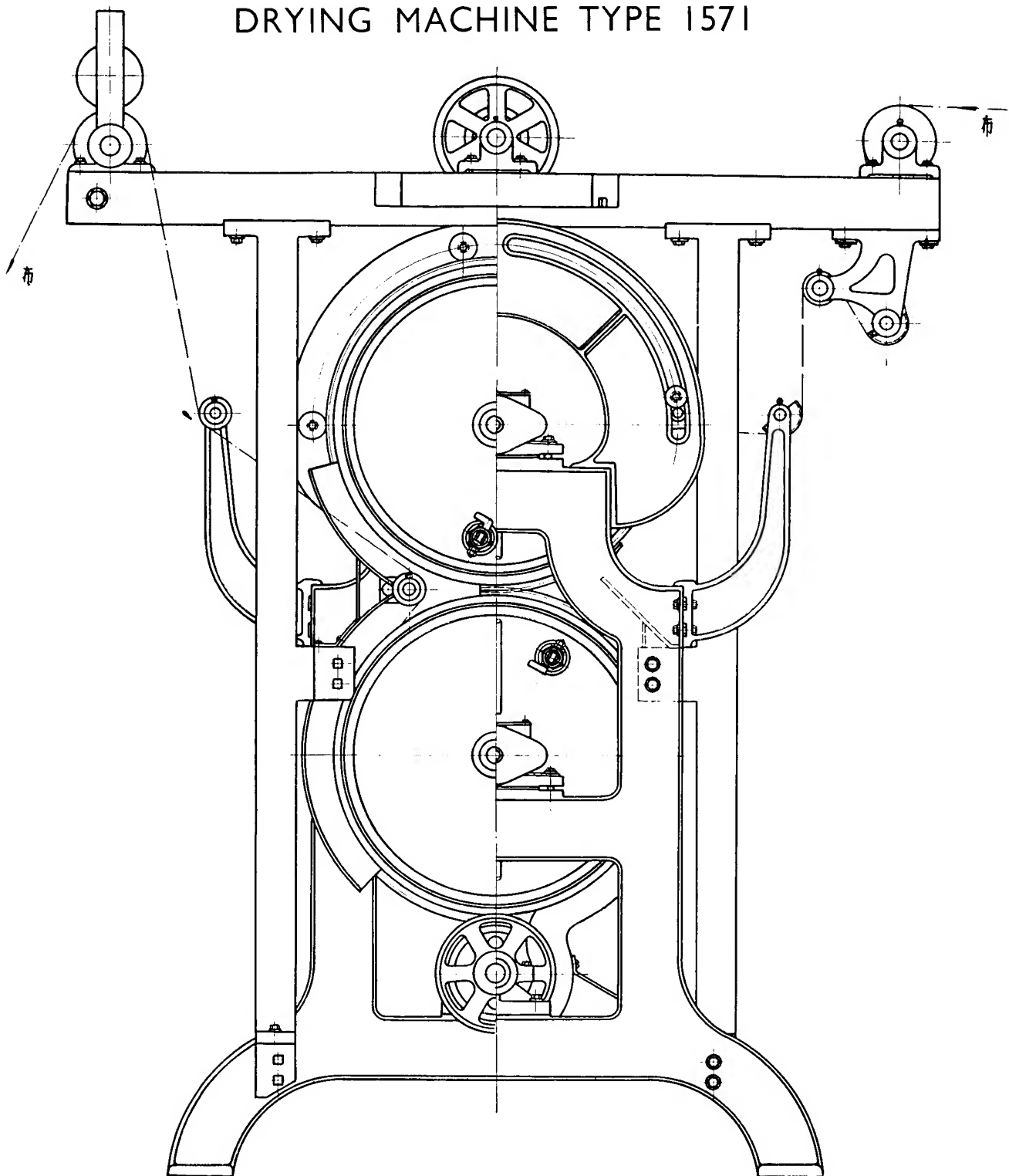
SPECIFICATION:

1. Type Vertical
2. Working width Max. 1000 mm
3. Brushing speed 54 metres min.
4. Drive Individual motor, with flat belt
5. Belt pulley for driving Drying machine—diameter 228 mm
—speed 90 rpm
6. Diameter of belt pulley for Brush Roller 203.2 mm
7. Feeding Rack with tension adjusting device
8. Brush Rollers—number 2 pcs. each front and back row
—diameter 189 mm (tip to tip of bristle)
—speed 480 rpm
9. Emery Rollers—number 1 pc. each front and back row
—diameter 186 mm (bare)
—speed 480 rpm
10. Suction funnel 3 pcs. (connected to main duct beneath)

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1571 型 烘 布 機

DRYING MACHINE TYPE 1571



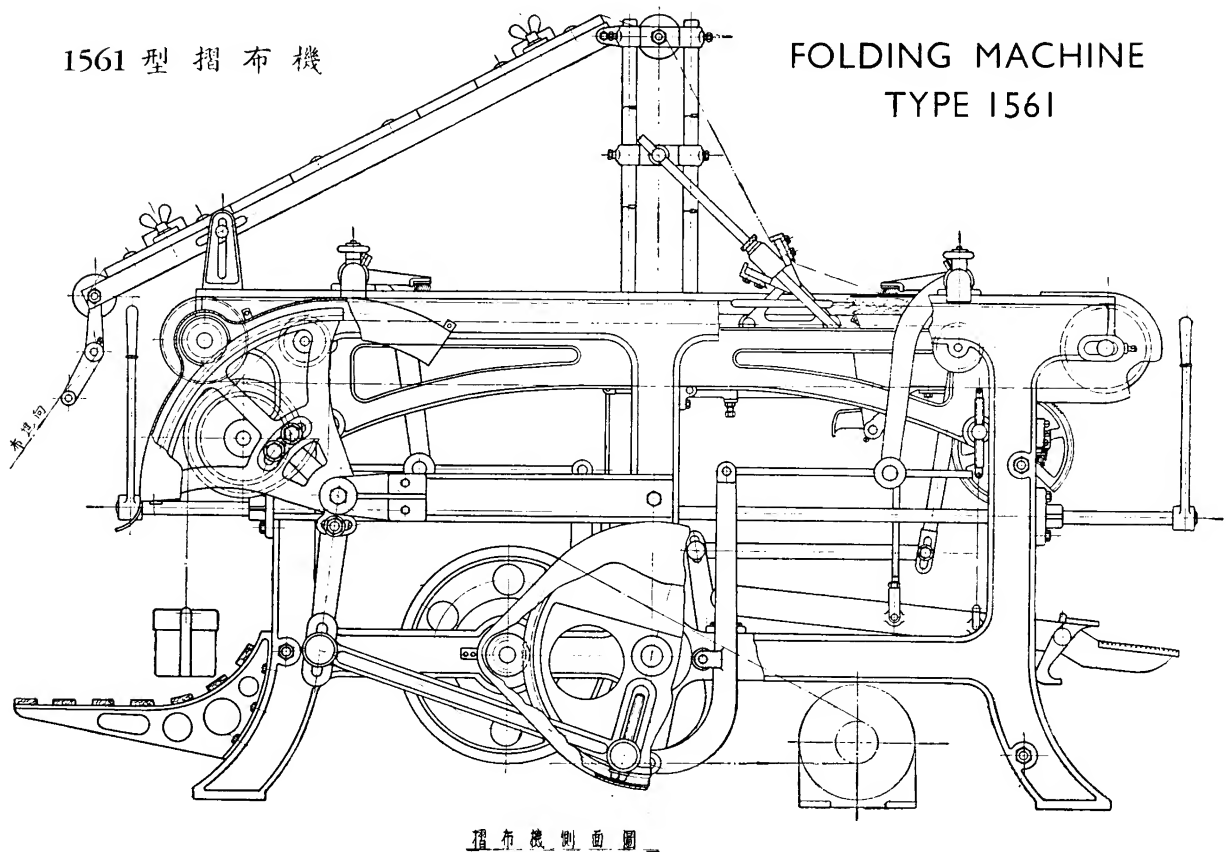
SPECIFICATION:

1. Type Vertical double cylinder
2. Width of cloth Max. 1100 mm.
3. Surface speed of cylinder 54 metres/min.
4. Steam pressure applied Max. 1 kg/cm²
5. Drive By Brushing machine type 1531 through flat belt
6. Main pulley diameter 228 mm.
7. Number of Drying cylinder 2 pcs.
Cylinder diameter 572 mm.
Cylinder speed 30 rpm.
8. Half-shell Stretcher 2 pcs.
9. Safety valve 1 pc.

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

1561 型 摺 布 機

FOLDING MACHINE
TYPE 1561



摺 布 機 側 面 圖

SPECIFICATION:

1. Type Plane
2. Width of cloth ... Maximum width 1150 mm.
3. Speed of folding 54 metres/min.

4. Width of folding 900—1020 mm.
5. Number of folding Max. 90
6. Drive By individual motor with V-belt
7. Height of machine 1500 mm.

N.B. --For improvement of the machine, we reserve the right to alter either the design or the specification.

1371 型 打 包 機

BALING PRESS TYPE 1371

Specification :

This machine consists of :— Hydraulic Press, Water Pump (including water tank), and Triple Valve.

a) Hydraulic Press:—

1. Maximum working pressure 75 metric tons.
2. Surface of lifting table 1415 x 1050 mm.
3. Maximum distance between tables 970 mm.
4. Bale height (on machine) 430 mm. (20 pcs. cloth each of 40 yds.)
5. Diameter of piston 200 mm.
6. Max. lift of piston 830 mm.
7. Machine height 2210 mm. (from floor)
8. Total height 3800 mm. (from water pipe)

b) Water Pump:—

1. Number of pistons and their diameters 3 pcs., 58 mm, 45 mm, 25 mm.
2. Pressure of pistons Triple-stage, 60 kg cm², 120 kg cm², 240 kg cm².
3. Piston stroke 76 mm.
4. Number of reciprocating stroke ... 154 times min.
5. Capacity of water tank 0.22 cu. metre.
6. Total height 1140 mm.

c) Triple Valve:—

1. Diameter of inlet 1 $\frac{1}{4}$ "
2. Diameter of outlet 1 $\frac{1}{2}$ "

N.B.—For improvement of the machine, we reserve the right to alter either the design or the specification.

25X1

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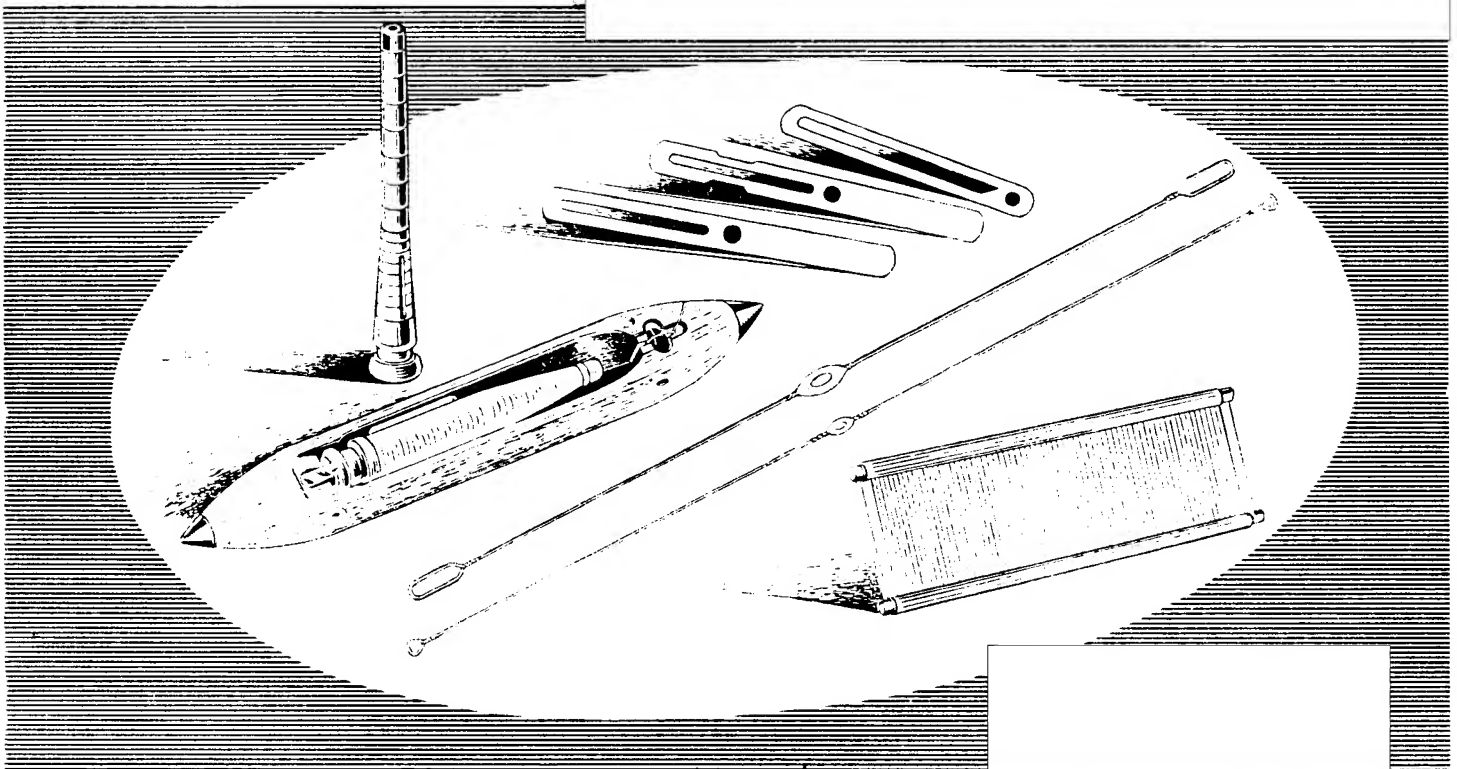
中國

紗管 梭子 鋼筵 鋼絲綜 停經片

CHINESE

BOBBINS, SHUTTLES, REEDS,
WIRE HEALDS & WEAVING DROPPERS

25X1



25X1

中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

Er-Li-Kou, Hsi-Chao Peking China
Cable Address: TRANSMACH PEKING

我公司經銷“星光”牌棉、毛、絲、麻等
紡織廠用各種紗管，梭子，鋼籠，鋼絲綜，
停經片等紡織用品。這些產品完全選用上等
原料製造，規格準確，分別適合各種類型紡
織機使用。

茲將常見的通用產品，編列目錄於次頁
藉供採用；此外，對於特定設計的各種規格
用品，祇要惠寄圖樣，說明規格，或檢寄實
物樣品，也都可以按照要求，承接定製。如
蒙垂詢，自當竭誠奉覆。

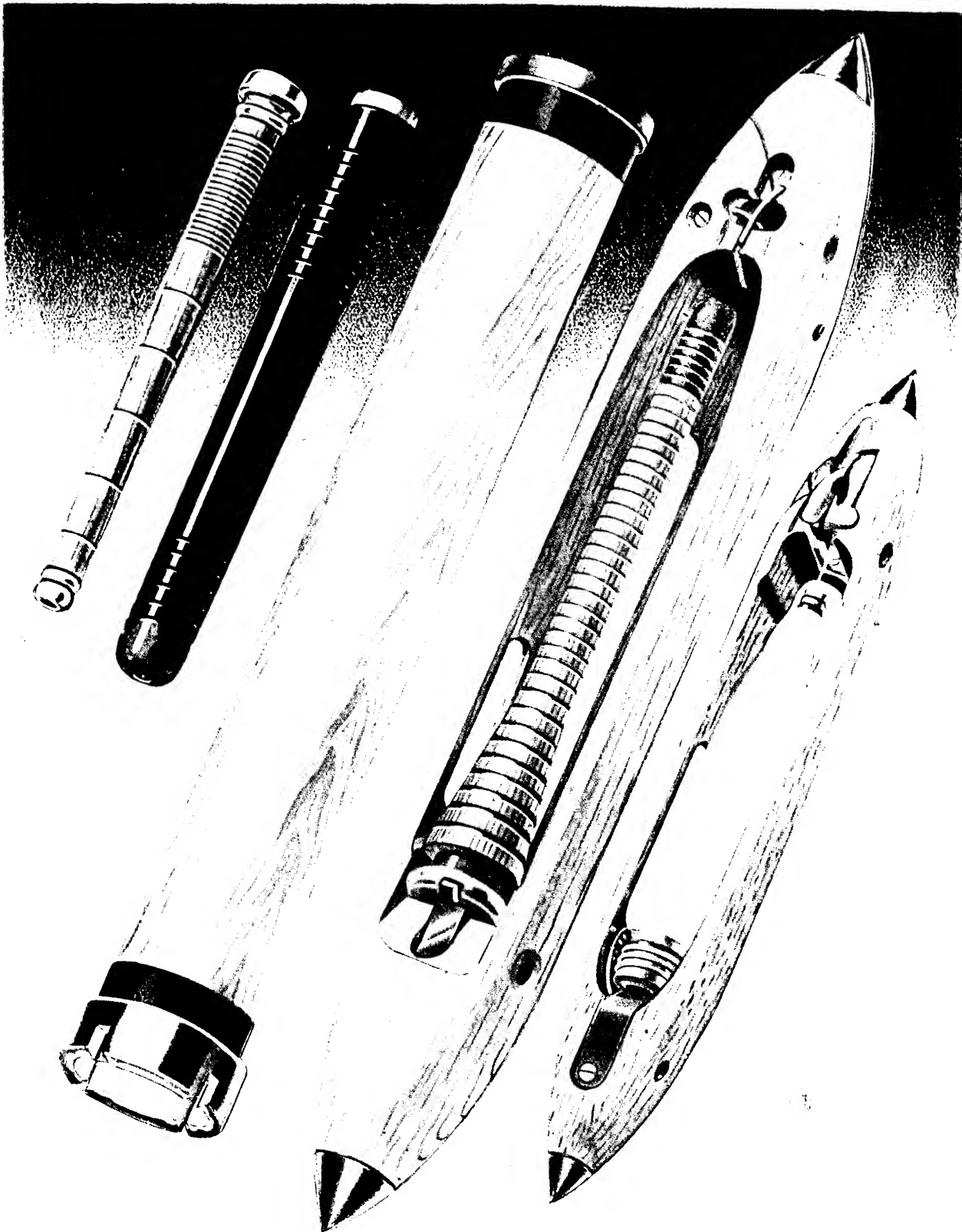


星光牌
STAR LIGHT
BRAND

We are suppliers of "Star Light" brand wooden bobbins, shuttles, reeds, wire healds and weaving droppers for cotton, woolen, silk and ramie spinning and weaving factories. These products are made from materials of first choice and are of standard types suitable for various kinds of textile machinery.

In the following pages we give a list of our general products for reference purpose. In case of requirements of special design, we are able to make them in accordance with drawings indicating details of specifications or samples submitted to us.

We shall be very pleased to receive your enquiries and shall always pay our prompt attention.



SPECIFICATIONS OF BOBBINS

粗 紗 管

SLUBBING AND ROVING BOBBINS

with 28-gauge tinplate holders on top and bottom, finished in brown varnish.

經 紗 管

RING RABBETHS

with one brass ring holder at the bottom, finished with three coatings of black Chinese lacquer, which is well known for its water-proof property.

換梭式緯紗管

WEFT PIRNS

with one brass holder at the bottom, finished with brown varnish, for automatic shuttle changing shuttle.

換緯式緯紗管

WEFT PIRNS

metal base and tip, complete with 3 steel wire rings, finished in brown varnish, for automatic pirn changing shuttle.

普 通 緯 紗 管

UNIVERSAL PIRNS

with 28-gauge tinplate holders on top and bottom, finished in brown varnish, for common style shuttle.

經 紗 筒 管

WARPING BOBBINS

with steel flange binders and steel bush.

併 紗 筒 管

DOUBLER BOBBINS

with metal shields on both flanges.

寶 塔 紗 筒

WINDER CONES

varnished.

絲 織 緯 紗 筒

BOBBINS

for silk or rayon spinning.

粗 紗 木 錠

SKEWERS

for slubbing bobbin.

SPECIFICATIONS OF SHUTTLES

中機自動換梭式梭子

Shuttles for shuttle changing automatic loom

Dimension:

$13\frac{1}{2}" \times 13\frac{1}{4}" \times 1\frac{5}{16}"$ (343 mm. \times 44.5 mm. \times 33.2 mm.)

自動換緯式梭子

Shuttles for pirn changing automatic loom

Dimension:

$14\frac{1}{2}" \times 13\frac{1}{4}" \times 1\frac{5}{16}"$ (368 mm. \times 44.5 mm. \times 33.2 mm.)

普通式梭子

Shuttles of common type power loom

Dimension:

$14\frac{1}{4}" \times 12\frac{3}{4}" \times 1\frac{9}{32}"$ (362 mm. \times 44.5 mm. \times 32.5 mm.)

絲織梭子

Shuttles (fiber covered on 3 sides) for silk rayon loom

Dimension:

$13\frac{3}{4}" \times 11\frac{1}{4}" \times 1\frac{1}{32}"$ (350 mm. \times 31.8 mm. \times 26.2 mm.)

毛織梭子

Shuttles for woolen and worsted loom

Dimension:

$16\frac{1}{2}" \times 21\frac{1}{4}" \times 1\frac{3}{8}"$ (420 mm. \times 57.2 mm. \times 41.3 mm.)

麻織梭子

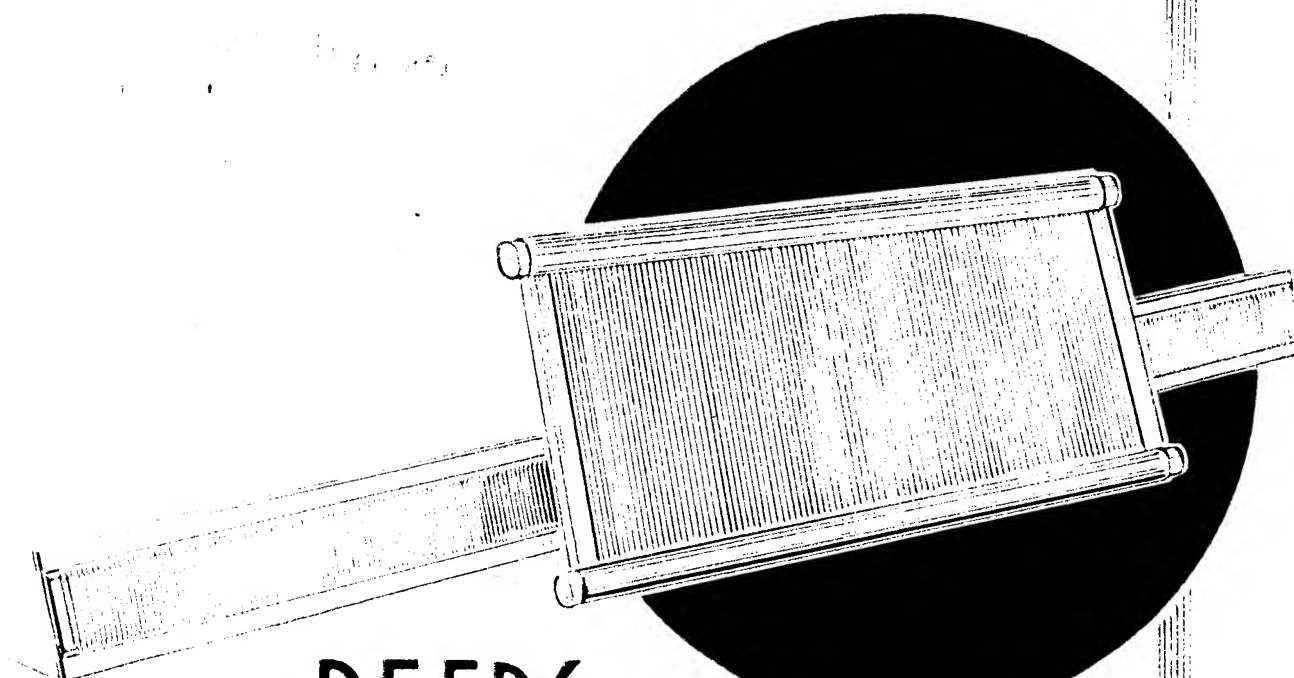
Shuttles for jute loom

Dimension:

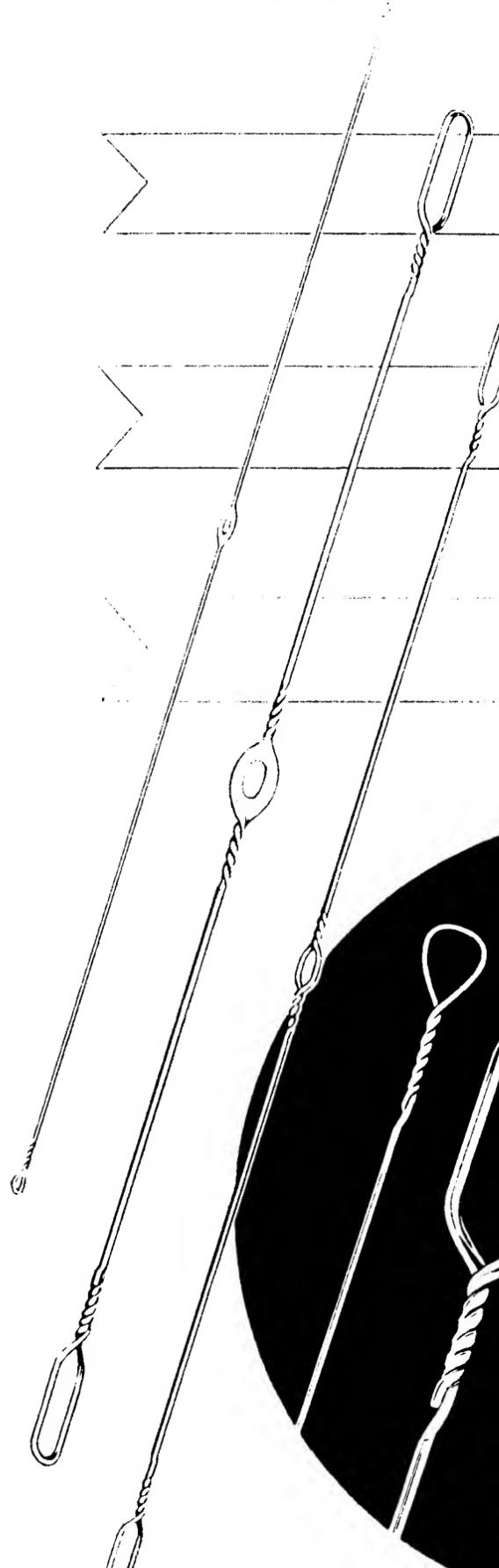
$20\frac{13}{16}" \times 2\frac{7}{16}" \times 1\frac{7}{8}"$ (529 mm. \times 62 mm. \times 47.7 mm.)



Weaving Droppers



• REEDS •



- 絲織用各種銅絲綜

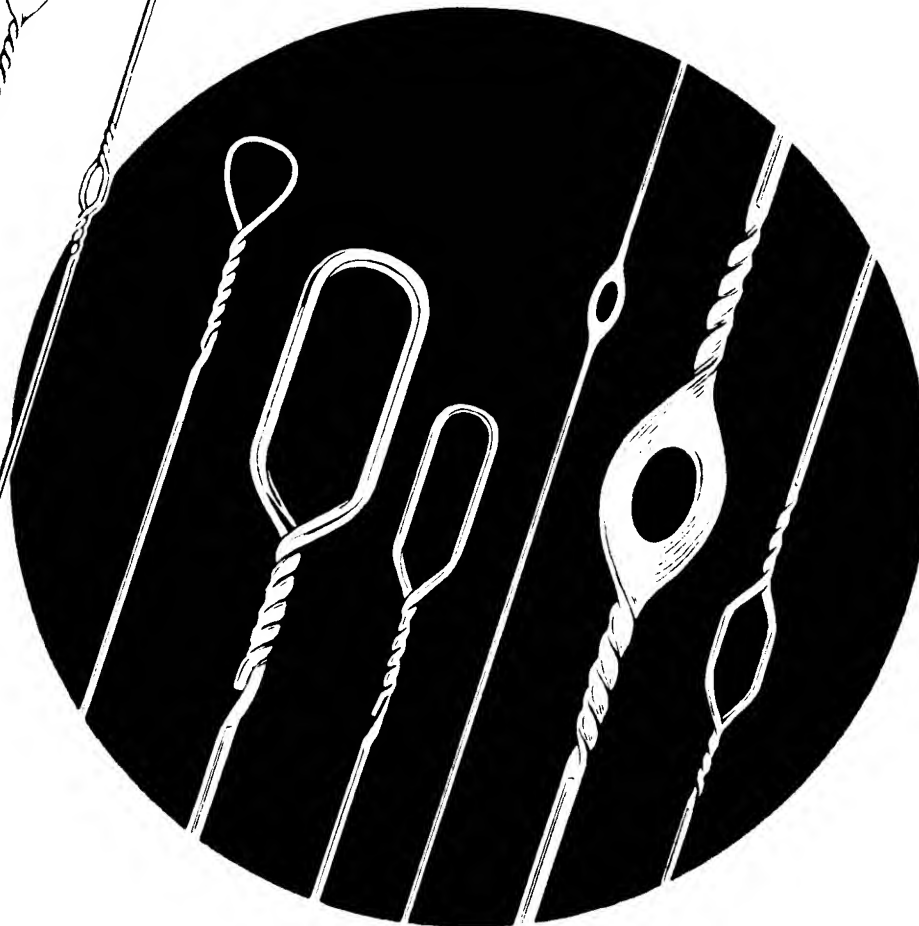
WIRE HEALD WITH RING MAIL FOR SILK

- 麻織用各種銅絲綜

WIRE HEALD FOR JUTE

- 棉織用各種銅絲綜

WIRE HEALD FOR COTTON

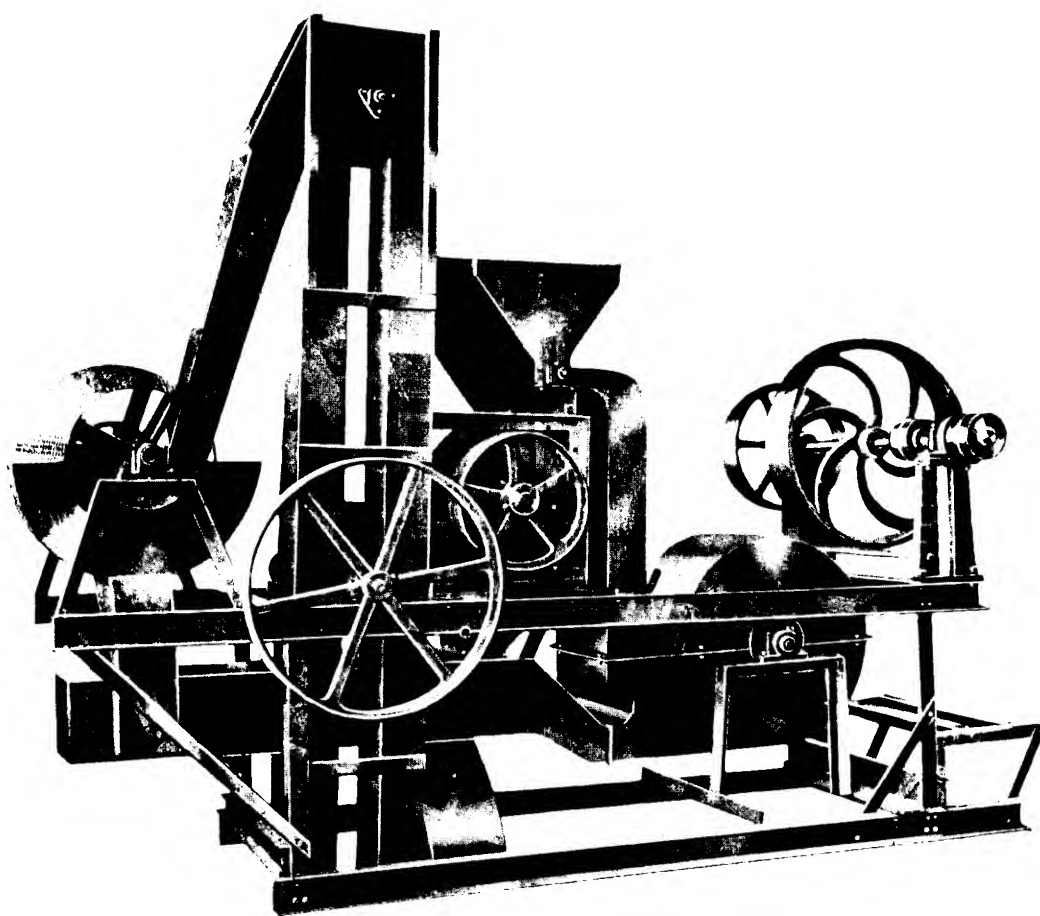


REPRESENTED IN BERLIN BY
CHINA NATIONAL IMPORT & EXPORT CORPORATION
LEIPZIGER STR. 112 W8 CABLE CNICE BERLIN

BRANCH OFFICES

TIENTSIN OFFICE: 171 CHIEN SHIEH ROAD HO SI DISTRICT
CABLE ADDRESS: "TRANSMACH"
SHANGHAI OFFICE: 27 CHUNG SHAN ROAD E. 1
CABLE ADDRESS: "TRANSMACH"
CANTON OFFICE: 25 TAI PING ROAD SOUTH
CABLE ADDRESS: "TRANSMACH"

花生剝皮機
PEANUT SHELLER



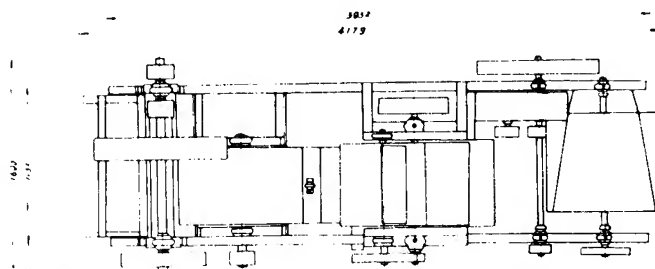
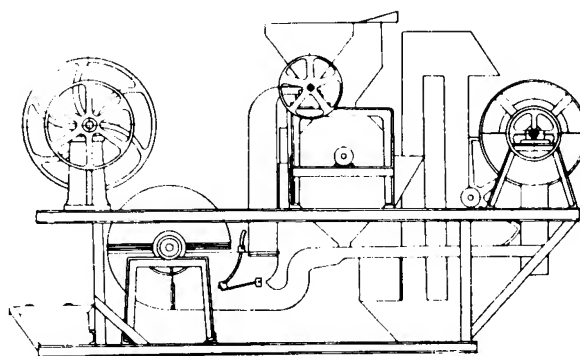
中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER LI KOU, HSI CHAO, PEKING, CHINA . CABLE ADD: TRANSMACH PEKING

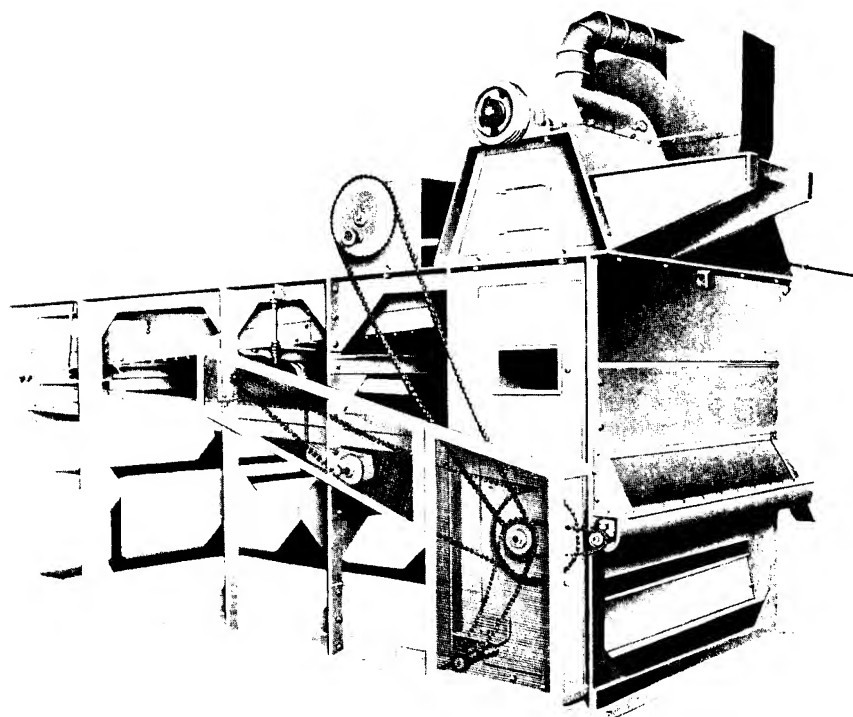
25X1

This machine is specially designed for shelling peanuts and is equipped with a fan for separating peanuts from their shells. It has a high efficiency and is suitable for use in oil mills.

| | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| Treating capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2000 kgs. hr. |
| Drum: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 600 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | ... | 560 mm. |
| Grid: Radius | ... | ... | ... | ... | ... | ... | ... | ... | ... | 325 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | ... | 565 mm. |
| Belt Pulley: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 562 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 128 mm. |
| V-Belt Pulley: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 960 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 169 mm. |
| V-Belt: Number | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 |
| Length (C-type) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 180 in. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | ... | 15 H.P. |
| Overall dimension (L · W · H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4179 · 1600 · 2428 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net 1000 kgs. Approx. |

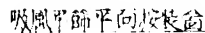


吸 風 平 篩
ASPIRATOR SIFTER



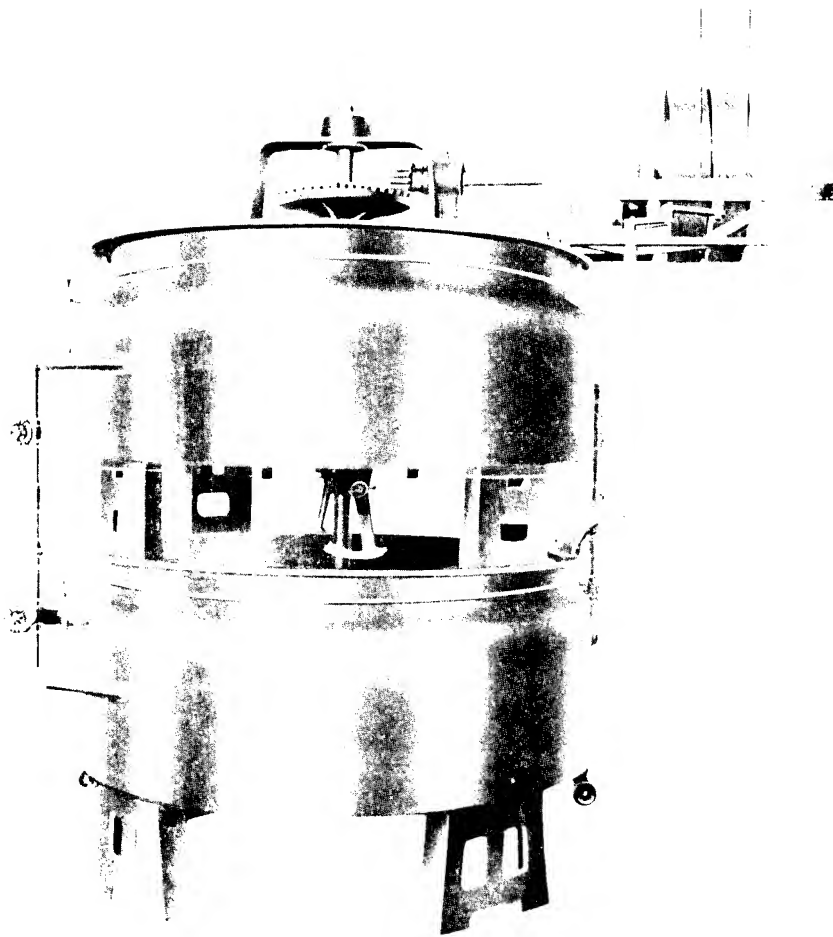
中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
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ER LI KOU HSI CHAO PEKING, CHINA • CABLE ADD TRANSMACH PEKING



預 熱 鍋

P R E - H E A T E R



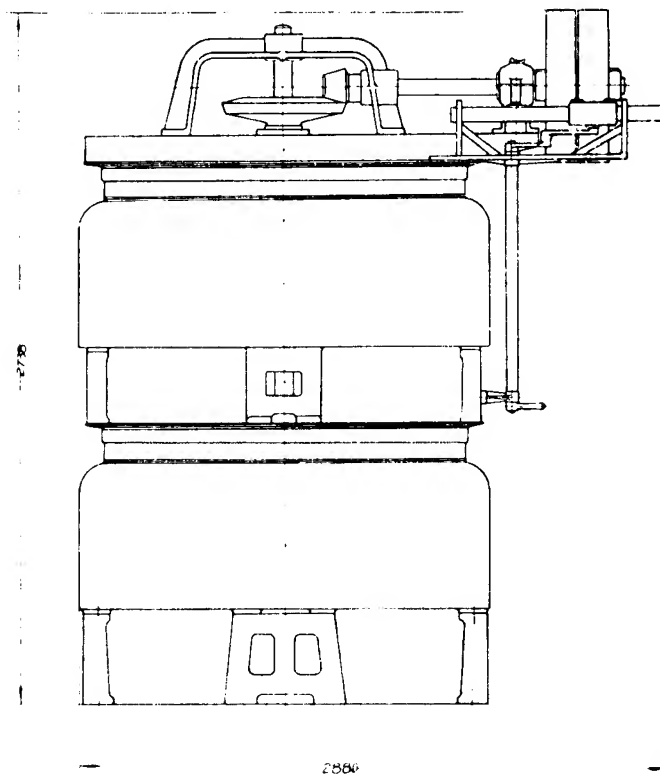
中國運輸機械進口公司

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

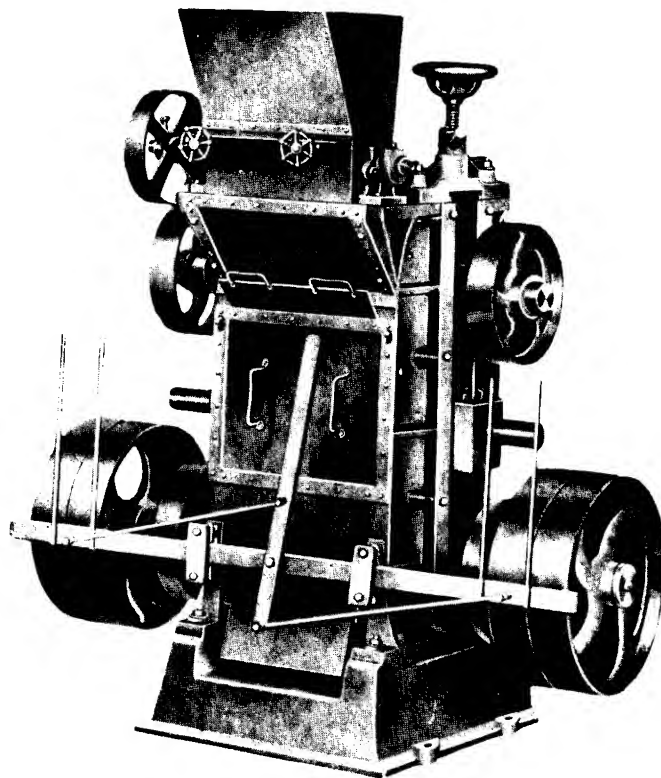
NO. 100, BEI HONG ROAD, BEIJING, CHINA. (CABLE: ALL CHINA MACH. CO. P. R. C.)

This is a double heating kettle mounted on columns with interior steam-pipe coils for drying seeds, such as peanuts, soya beans, rapeseed, cottonseed, etc., to facilitate oil extraction. The temperature can be regulated according to requirements. Steam is supplied from a separate boiler.

| | | | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| Treating capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | 830 kgs. hr. |
| Kettle: Inner diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1981 mm. |
| Outer diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2209 mm. |
| Height | ... | ... | ... | ... | ... | ... | ... | ... | ... | 762 mm. |
| Pulley: Width | ... | ... | ... | ... | ... | ... | ... | ... | ... | 127 mm. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 152 rpm. |
| Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 610 mm. |
| Inlet opening | ... | ... | ... | ... | ... | ... | ... | ... | ... | 177 - 152 mm. |
| Stirrer blade | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22 - 127 mm. |
| Pre-heating temperature | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 C |
| Diameter of steam piping | ... | ... | ... | ... | ... | ... | ... | ... | ... | 100 mm. |
| Steam pressure... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 8 atm. |
| Stirrer shaft: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | 73 mm. |
| Speed | ... | ... | ... | ... | ... | ... | ... | ... | ... | 38 rpm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | ... | 20 H.P. |
| Overall dimension (L · W · H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2880 · 2210 · 2738 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net 4142 kgs. Approx. |



連 三 軸 粉 碎 機
THREE-HIGH
CRUSHING ROLLER MILL



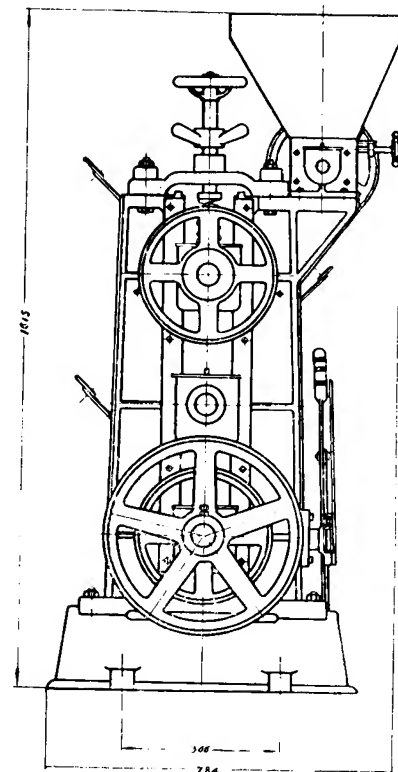
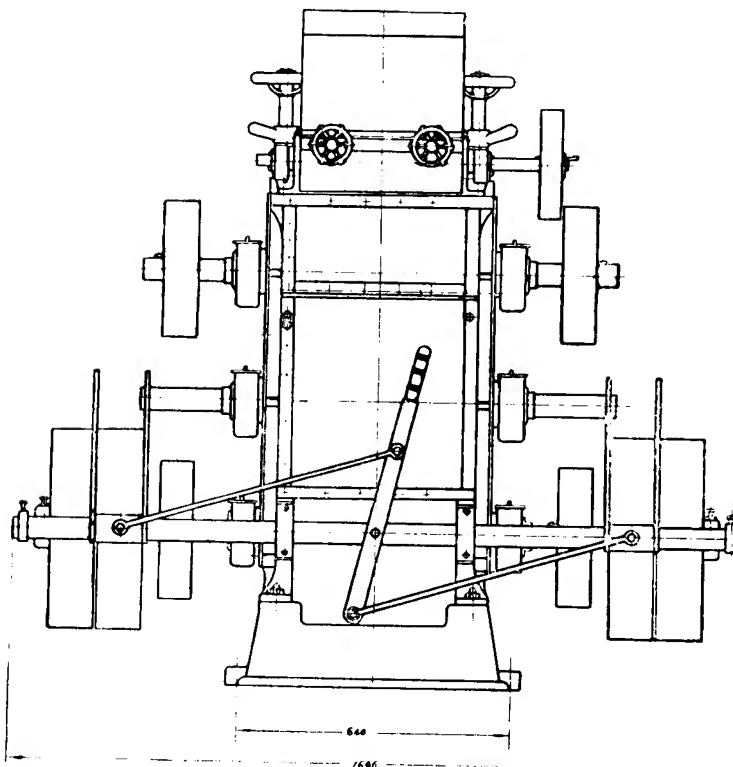
中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER LI KOU, HSI CHAO, PEKING, CHINA • CABLE ADD: TRANSMACH PEKING

25X1

This Three-High Crushing Roller Mill is constructed of the same principle as the Five-High Model. Three instead of five crushing rolls are arranged one above the other. It is designed to run economically for the medium and small size oil mills, where a smaller treating capacity will suffice.

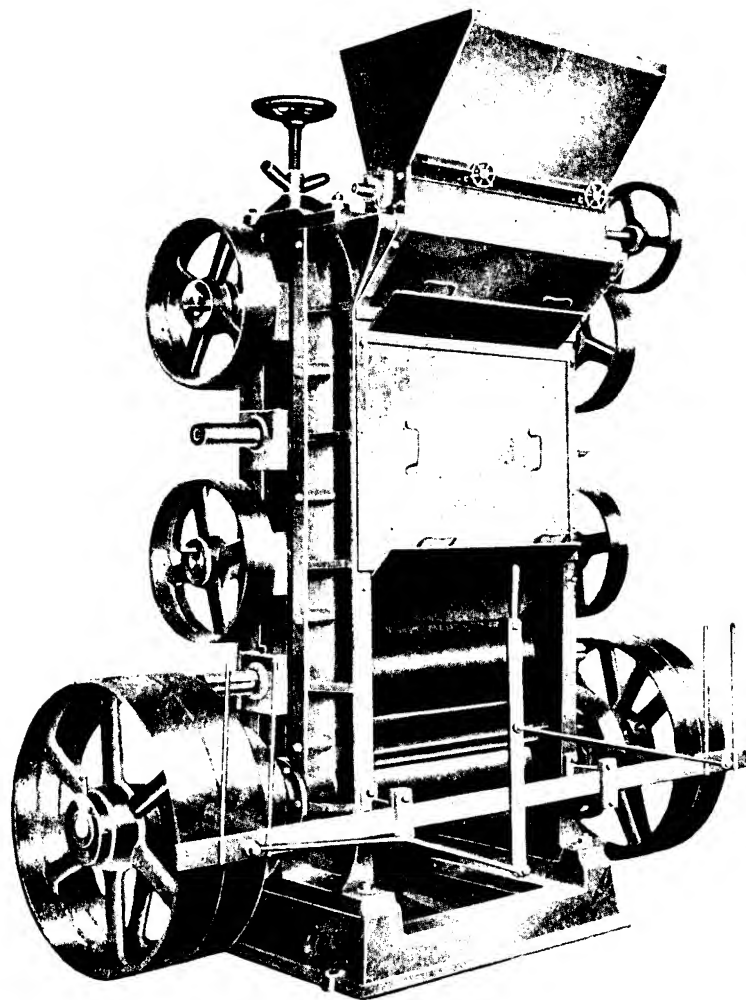
| | | | | | | | | | | | |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------|
| Treating Capacity | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 330 kgs. hr. |
| Roller: Diameter | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 305 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 381 mm. |
| Diameter of pulley | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 467 mm. |
| Width of belt | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 110 mm. |
| Speed of main shaft | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 180 rpm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 H.P. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,696×784×1,615 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Net 1,000 kgs. Approx. |



五 軸 粉 碎 機

25X1

FIVE-HIGH
CRUSHING ROLLER MILL



中國運輸機械進口公司

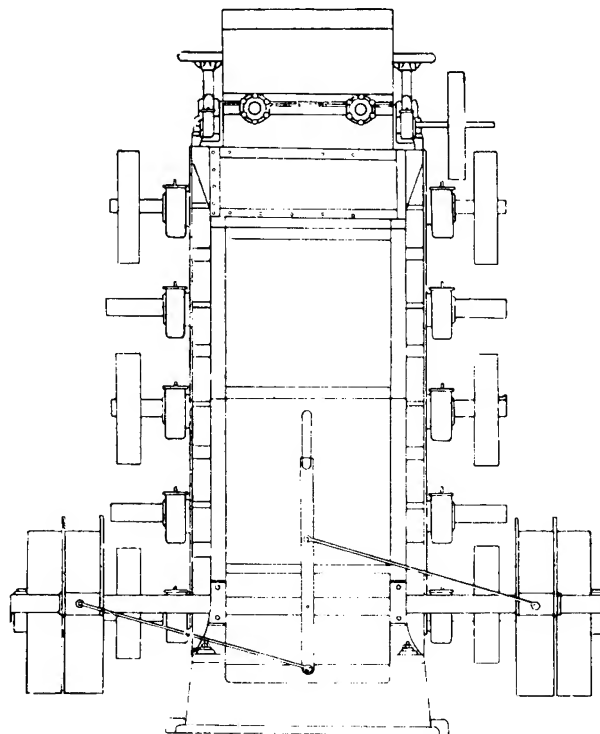
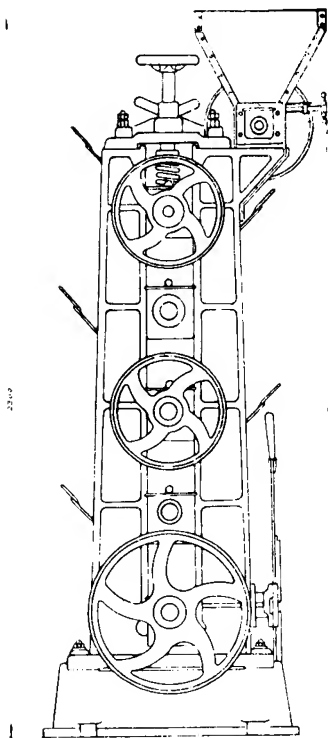
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA • CABLE ADD TRANSMACH PEKING

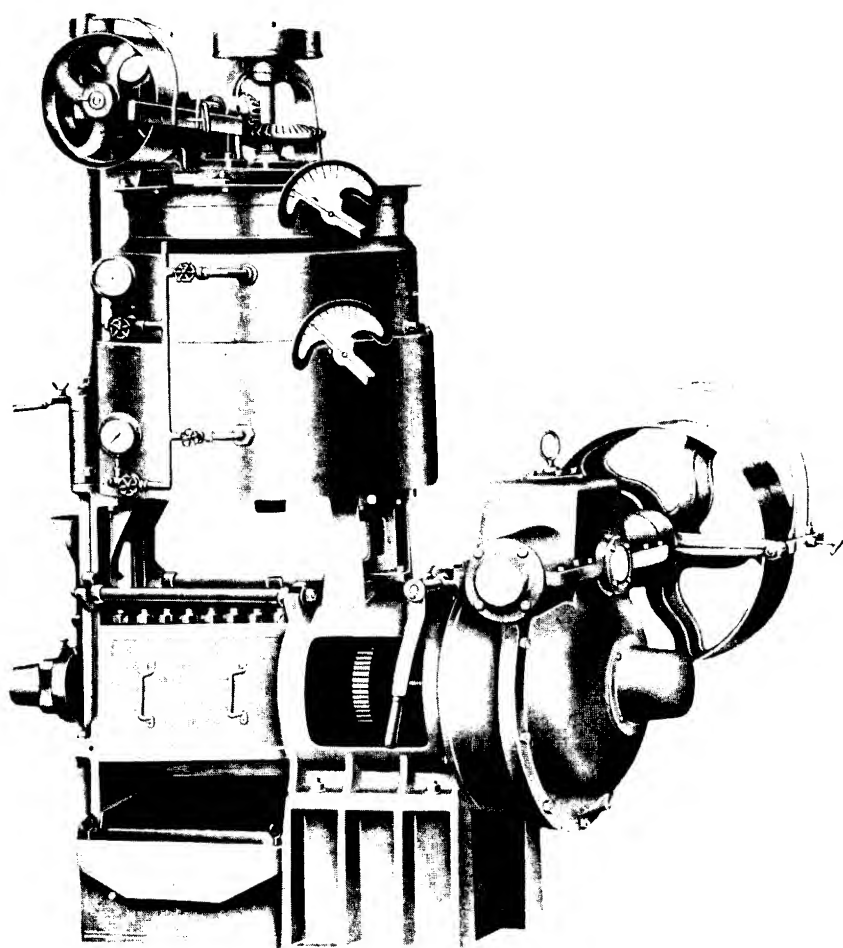
This Five-High Crushing Roller Mill having all its five rolls fitted with ball bearings, runs smoothly, requires little power, and has a very high efficiency. It is used either in oil mills for the preliminary crushing of oil-bearing materials, such as cottonseed, peanuts, soya beans, rapeseed, tung seed, sesameseed, copra, etc., to ensure maximum yield of oil in the subsequent extraction, or in brewhouses where yeast is to be crushed.

The cleaned seed, being automatically and uniformly distributed over the entire length of the top roll by means of the feed hopper and the feed roller, is passed consecutively through 5 rolls in a zig zag manner and is crushed from coarse to fine in four stages. All rolls are equipped with meal guards, which prevent the meats from being thrown off from the revolving rolls onto the floor.

| | | | | | | | | |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-------------------------|
| Treating capacity | ... | ... | ... | ... | ... | ... | ... | 916 kgs. hr. |
| Roller: Diameter | ... | ... | ... | ... | ... | ... | ... | 335.5 mm. |
| Length | ... | ... | ... | ... | ... | ... | ... | 812 mm. |
| Number | ... | ... | ... | ... | ... | ... | ... | 5 |
| Pulley: Diameter | ... | ... | ... | ... | ... | ... | ... | 813 mm. |
| Width | ... | ... | ... | ... | ... | ... | ... | 140 mm. |
| Speed of main shaft | ... | ... | ... | ... | ... | ... | ... | 180 rpm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | 25 H.P. |
| Overall dimension (L · W · H) | ... | ... | ... | ... | ... | ... | ... | 2,420 · 945 · 2,640 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net 3,800 kgs. Approx. |



中 型 榨 油 機
MEDIUM SIZE OIL EXPELLER



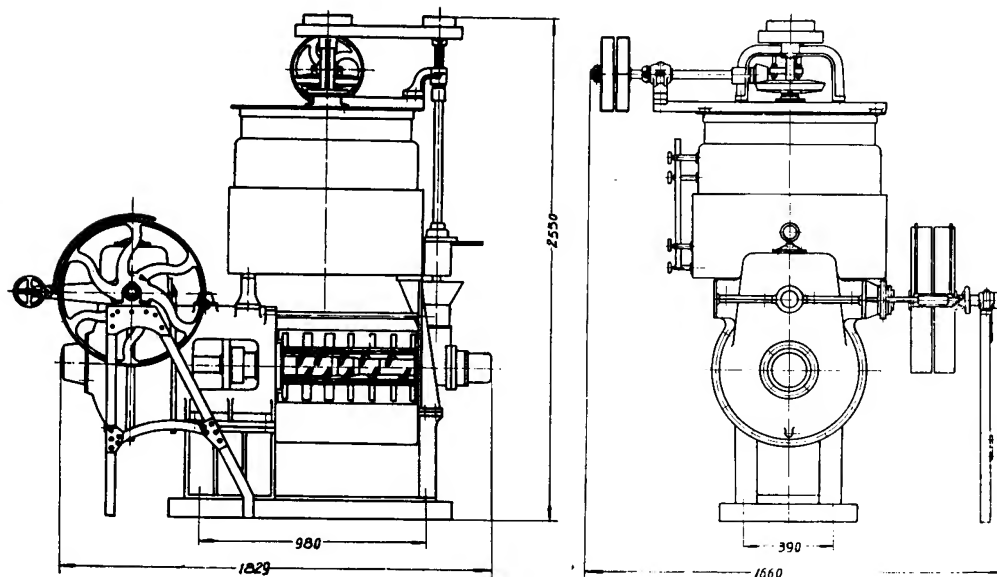
中國運輸機械進口公司
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The Medium Size Oil Expeller can be handled by a single operator. The treating capacity is reduced and adapted for the medium and small oil mills. Procedure of operation and usage of the machine are otherwise same as the 8-ton Model.

CAPACITY

| Name of raw material | Temperature of material for pressing | Thickness of cake | Treating cap. per 24 hours | Remaining oil in cake | Pressing |
|----------------------|--------------------------------------|-------------------|----------------------------|-----------------------|----------|
| Cotton seed | 110°C | 4 mm. | 2.5 — 3 tons | 6% | Single |
| Peanuts | 110°C | 4 mm. | 2.5 — 3 tons | 5½% | Single |
| Rape seed | 110°C | 4 mm. | 2.5 — 3 tons | 6% | Single |
| Sesame seed | 110°C | 4 mm. | 2.5 — 3 tons | 5½% | Single |
| Soya beans | 110°C | 5 mm. | 2.5 — 3 tons | 5% | Single |



| | | | | | | | | |
|---------------------------|-----------|-----|-----|-----|-----|-----|-----|-----------------------|
| Pressing cage: | Diameter | ... | ... | ... | ... | ... | ... | 101 mm. |
| | Length | ... | ... | ... | ... | ... | ... | 558 mm. |
| Cage bar: | Length | ... | ... | ... | ... | ... | ... | 273 mm. |
| | Thickness | ... | ... | ... | ... | ... | ... | 18 mm. |
| Cage bar slit | ... | ... | ... | ... | ... | ... | ... | 0.65–0.7 mm. |
| Number of worm wings | ... | ... | ... | ... | ... | ... | ... | 6 |
| Worm shaft: | Diameter | ... | ... | ... | ... | ... | ... | 50 mm. |
| | Speed | ... | ... | ... | ... | ... | ... | 14 rpm. |
| Belt pulley: | Diameter | ... | ... | ... | ... | ... | ... | 762 mm. |
| | Width | ... | ... | ... | ... | ... | ... | 105 mm. |
| | Speed | ... | ... | ... | ... | ... | ... | 240 rpm. |
| Upper kettle: | Diameter | ... | ... | ... | ... | ... | ... | 738 mm. |
| | Height | ... | ... | ... | ... | ... | ... | 404 mm. |
| Lower kettle: | Diameter | ... | ... | ... | ... | ... | ... | 915 mm. |
| | Height | ... | ... | ... | ... | ... | ... | 305 mm. |
| Diameter of steam piping | ... | ... | ... | ... | ... | ... | ... | 50 mm. |
| Speed of stirrer shaft | ... | ... | ... | ... | ... | ... | ... | 43 rpm. |
| Steam pressure required | ... | ... | ... | ... | ... | ... | ... | 3.5–4.5 atm. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | 1829×1660×2550 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net 3500 kgs. Approx. |

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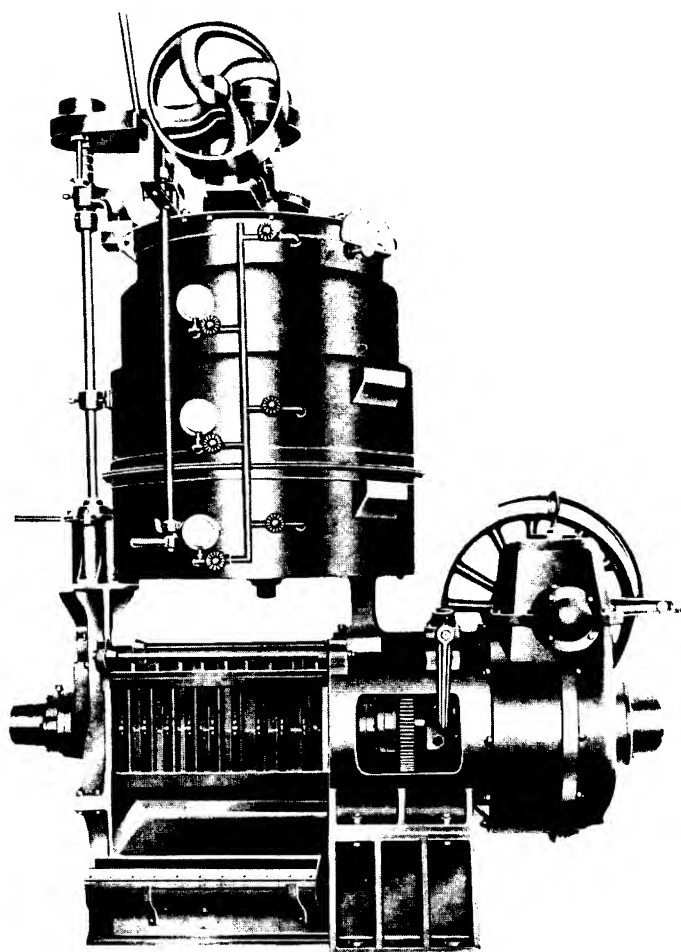
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八 噸 榨 油 機
EIGHT-TON OIL EXPELLER



中國運輸機械進口公司
CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORP.
IMPORTERS & EXPORTERS

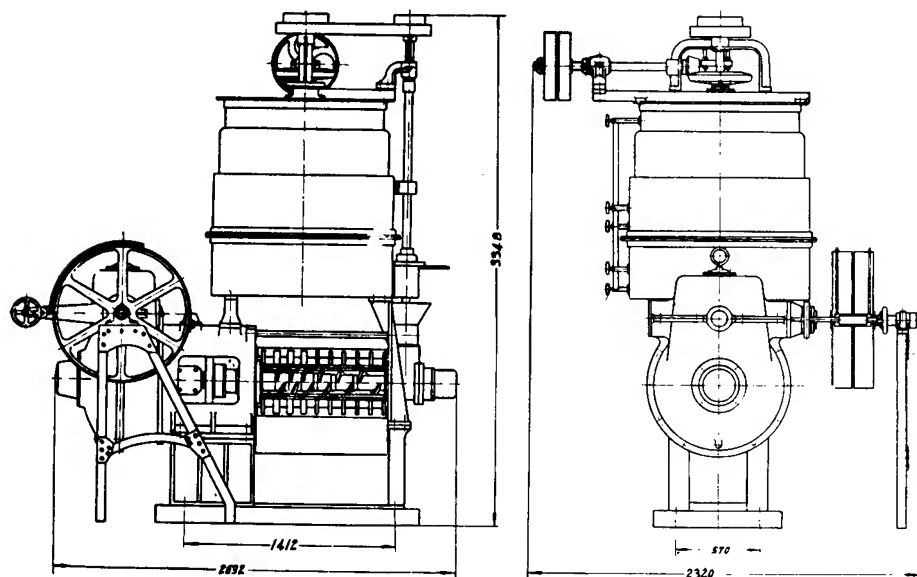
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The outstanding features of the oil expeller are the improved kettle, worm and cake cutter resulted from our many years of manufacturing experience. Aside from the convenience in operation and maintenance, it is the most powerful and efficient continuous press, especially suitable for the "all purpose" oil mill designed to handle a wide variety of raw materials from time to time.

A triple steam-jacketed kettle with stirring devices is mounted on top to cook the prepared stock at full expeller capacity and efficiency. The meal thus warmed is continuously fed into the oil expeller, where it is subjected to a very high pressure produced by a worm rotating inside of the press cage formed with bars. The oil flows out through the spaces between bars, while the residue is discharged from the slits at the head.

CAPACITY :

| Name of raw material | Temperature of material for pressing | Thickness of cake | Treating cap. per 24 hours | Remaining oil in cakes | Pressing |
|----------------------|--------------------------------------|-------------------|----------------------------|------------------------|----------|
| Cotton seed | 110°C | 4 mm. | 8 — 8½ tons | 6% | Single |
| Peanuts | 110°C | 4 mm. | 7 — 7½ tons | 5½% | Single |
| Rape seed | 110°C | 4 mm. | 7½ — 8 tons | 6% | Single |
| Sesame seed | 110°C | 4 mm. | 7½ — 8 tons | 5½% | Single |
| Soya Beans | 110°C | 5 mm. | 8 — 8½ tons | 5% | Single |



| | | | | | | | | |
|---------------------------|-----------------|-----|-----|-----|-----|-----|-----|-----------------------|
| Pressing cage: | Inside diameter | ... | ... | ... | ... | ... | ... | 151 mm. |
| | Length | ... | ... | ... | ... | ... | ... | 844 mm. |
| Cage bar: | Length | ... | ... | ... | ... | ... | ... | 273 mm. |
| | Thickness | ... | ... | ... | ... | ... | ... | 11-19 mm. |
| Sections of pressing cage | ... | ... | ... | ... | ... | ... | ... | 3 |
| Cage bar slit | ... | ... | ... | ... | ... | ... | ... | 0.7-0.65-0.6 mm. |
| Number of worm wings | ... | ... | ... | ... | ... | ... | ... | 7 |
| Main shaft diameter | ... | ... | ... | ... | ... | ... | ... | 76.2 mm. |
| Upper kettle: | Diameter | ... | ... | ... | ... | ... | ... | 990 mm. |
| | Height | ... | ... | ... | ... | ... | ... | 508 mm. |
| Steam piping diameter | ... | ... | ... | ... | ... | ... | ... | 76 mm. |
| Kettle belt pulley: | Diameter | ... | ... | ... | ... | ... | ... | 455 mm. |
| | Width | ... | ... | ... | ... | ... | ... | 85 mm. |
| | Speed | ... | ... | ... | ... | ... | ... | 208 mm. |
| Lower kettle: | Diameter | ... | ... | ... | ... | ... | ... | 1,215 mm. |
| | Height | ... | ... | ... | ... | ... | ... | 405 mm. |
| Kettle stirrer speed | ... | ... | ... | ... | ... | ... | ... | 40 rpm. |
| Main shaft speed | ... | ... | ... | ... | ... | ... | ... | 11.5 rpm. |
| Main shaft belt pulley: | Diameter | ... | ... | ... | ... | ... | ... | 905 mm. |
| | Width | ... | ... | ... | ... | ... | ... | 135 mm. |
| Belt pulley speed | ... | ... | ... | ... | ... | ... | ... | 244 rpm. |
| Steam pressure required | ... | ... | ... | ... | ... | ... | ... | 5 to 6 atm. |
| Power required | ... | ... | ... | ... | ... | ... | ... | 20 H.P. |
| Overall dimension (L×W×H) | ... | ... | ... | ... | ... | ... | ... | 2692×2320×3348 mm. |
| Weight | ... | ... | ... | ... | ... | ... | ... | Net 5000 kgs. Approx. |

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